Author(s):

NIKOLOVSKI, S.; MARIC, P. & CAHA, V.

This Publication has to be referred as:
Abstract: This paper presents Computer Aided Design (CAD) CYMGRD software which assists engineers to design grounding facilities for substations and buildings. The program is used to perform soil resistivity measurement interpretations, elevation of ground potential rise and danger point evaluation within any area of interest. The soil module supports both “single-layer” and “two-layer” soil model analysis. The grid module computes the tolerable step and touch voltages. Surface voltage and touch voltage potential gradients at any point of interest within the area of investigation are computed. Equipotential contours for surface and/or touch potentials, and potential profiles showing touch and step voltages along the chosen direction are presented. Two and three dimensional plots are presented for the grounding grid of HV test laboratory in HEP NOC Velika. The safety of personnel and equipment in and around the grounding grid is satisfied.

Key words: Grounding system, touch voltage, step voltage, computer modeling, grounding resistance.

1. INTRODUCTION

Grounding resistance calculation is an important step in grounding system design. The main objectives of a grounding system are to carry and dissipate electric currents into ground during fault conditions protecting personnel and equipment from dangerous voltages. Today, wire structures (grounding grid, grounding star, grounding rings, rods) dominate in the design process of grounding systems. Due to complexity of such systems, solving electromagnetic problems using analytical equations is practically impossible, so numerical approach is preferred.

Moment Method, which is sometimes called the Boundary Element Method, dominates in the numerical analysis of a grounding system. This is the most efficient method for solving electromagnetic problems in open space. The primary electrode is the grounding structure that absorbs the fault current. The basic analytical assumption CYMGRD makes, in compliance with International Standards, is that the entire grounding system that absorbs the fault current, and diffuses it to the ground, is elevated to a single potential. This is the ground potential rise and danger point evaluation within any area of interest. The soil module supports both “single-layer” and “two-layer” soil model analysis. The grid module computes the tolerable step and touch voltages. Surface voltage and touch voltage potential gradients at any point of interest within the area of investigation are computed. Equipotential contours for surface and/or touch potentials, and potential profiles showing touch and step voltages along the chosen direction are presented. Two and three dimensional plots are presented for the grounding grid of HV test laboratory in HEP NOC Velika. The safety of personnel and equipment in and around the grounding grid is satisfied.

The return electrode should only be used in the case where a grid absorbing current from the ground exists and is located in the vicinity of the energized primary electrode. Both primary and return electrodes can only be energized by virtue of currents, not voltages.

The distinct electrode should be used to model underground metallic structures that are adjacent to the primary electrode but are inert (i.e. they are not energized by any current). Despite the fact of being inert, they should be modeled since they absorb currents, thus altering the surface potentials in the vicinity.

2. PROBLEM DEFINITION

The grounding resistance calculation problem can be reduced to solving the integral equation:

\[ \phi(r) = \int_{A'} G(r, r') \sigma(r') dA' \]  

Where: \( \phi(r) \) is the potential, \( \sigma(r') \) is the surface current density, and \( G(r, r') \) is the Green’s function. Integration in (1) is performed over electrode surface. Relation (1) must hold even on electrode surface, where the potential has a constant value \( \phi \) determined by boundary condition. The equation (1) can not be solved analytically because surface current density \( \sigma \) is an unknown function. Mathematical procedure of solving equations like (1) by transforming them into matrix equation is known as the Moment Method.

2.1. Sample case of computation

The CYMGRD program has three modules. The soil analysis module (includes Safety Assessment): Defines either a two-layer, a uniform, or a user-defined soil model. CYMGRD plots the measured and calculated resistivity on the same graph to allow easy verification of the quality of the soil model. The maximum allowable step and touch voltages are calculated according to the IEEE Standard 80-2000. The electrode sizing module: Determines the minimum required ground electrode (conductor and/or rod) size in accordance with the IEEE Standard 80-2000. To determine the electrode size, CYMGRD uses the parameters of the electrode material and the ambient temperature setting. Users can select one or more of the materials from the CYMGRD library.

The grid analysis module: Calculates the current diffused by every element of conductor in the grounding grid. The potential at the soil surface is determined from these results. One may define the grid one conductor at a time and/or by using groups of conductors arranged in rectangular sub-grids. Grounding rods can be defined in a similar way. Other buried conductors (such as nearby foundations) and/or neighboring grounding structures may also be defined, to be able to assess the influence of their presence on the surface voltages.
The plotting module: Generates a visual representation of the grid analysis results on potential contour and/or potential profile plots. Potential contour plots can be used to display both touch and surface voltages. Both representations can be color-coded in 2D or 3D. Potential profile plots can be used to display both step and touch voltages along a straight line, in any desired direction. The voltage variations, along with the corresponding maximum allowable voltages, can be shown simultaneously on the same graph.

In the electrode sizing module, HV test laboratory grounding grid is entered. The grounding grid consists of a 8 x 8 m (64 squared meters) rectangular grid buried at depth of 0.8 m in the soil and also with four primary rods. The 150 A current was injected in the grounding grid. Shock duration is 0.5 seconds. Soil resistivity is 65 Ωm, and crusher run granite fine is used as surface layer material. Surface layer thickness is 10 cm. The safety IEEE Standard 80-2000 for 50 kg body is used.

After application of the grid analysis module, we obtained the result for the ground potential rise which is 492.205 V. The calculated ground resistance is 3.18267 Ω, total length of primary conductors is 128 meters, total length of primary rods is 3.2 m, and the total number of elements is 36 elements. Maximal touch potential and allowable line to ground current (243,835 A) are presented in Fig.2. Line to ground current of 150 A magnitude is used for energizing the grounding grid.

Safety requirements are satisfied since red and blue curves are under the permissible levels (straight dot lines).

3. CONCLUSION

Because of the complex structure of the grounding grid, manual calculation of the ground potential rise and equivalent resistance of the grounding system are not possible. The advantage of Computer Aided Design considers all physical phenomena that are too complex for manual calculation. A sample case of the grounding grid of HV laboratory in HEP NOC Velika is made. The CYMGRD software is used for ground-electrode sizing, ground potential rise and equivalent resistance computation. Touch potential contours on the ground surface and potential profile of the grounding grid are also presented. Obtained results determine the safety of personnel and the equipment in and around the grounding grid.

4. REFERENCES

CymGRD ver. 6.3 User Manual 2007, Cyme International, Montreal, Canada
Happy Birthday to:

Professor Stipe Celar (40 Years) / Professor Maida Cohodar (40 Years) / Dr Costel Emil Cotet (50 Years) / Professor Albert Albers (50 Years) / Professor Marjan Leber (50 Years) / Professor Branko Katalinic (55 Years) / Professor Oliver Moravec (55 Years) / Professor Hong-Seok Park (55 Years) / Dr Georg Widtmann (65 Years) / Dr Wilfried Stoll (70 Years) / Dr Wilfried Stoll (70 Years)

Royal Institute of Technology, Stockholm (180 Years) / Technical University of Ostrava, Ostrava (155 Years) / Riga Technical University (155 Years) / Slovak Technical University Bratislava (70 Years) / Technical University Kosice (55 Years) / Faculty of Mechanical Engineering, Slavonski Brod (45 Years) / University of Mostar (30 Years)

Congratulations to:

Professor Dr Anton Cizmar on his election to the post of the Rector of Technical University of Kosice
Professor Dr Vlado Majstorovic on his election to the post of the Rector of University of Mostar, Mostar
Professor Dr Peter Skalicek on his election to the post of the Rector of Vienna University of Technology
Professor Dr Ante Uglesic on his election to the post of the Rector of University of Zadar, Zadar

Welcome to the 3824th DAAAM Author:

Since 1990 3824 authors and co-authors published their scientific papers in the Annals & Proceedings of DAAAM International Symposium.

Special thanks to concern Festo for establishing of "Festo Young Researchers and Scientist Support Scholarship" for financial support of next generation of Researchers and Scientist at DAAAM international conferences

Who is in the field, and not in the DAAAM he/she does not exist.

(Jyri Papstel 1996)

EDITOR'S NOTE. This publication was reproduced by the photo process, using the manuscripts and soft copies supplied by their authors. The layout, the figures and tables of some papers did not conform exactly to the standard requirements. In some cases was the layout of the manuscripts rebuild. All mistakes in manuscripts there could not been changed, nor could the English be checked completely. The readers are therefore asked to excuse any deficiencies in this publication which may have arisen from the above causes. The editor and the DAAAM International Vienna are not responsible either for the statements made or for the opinion expressed in this publication.

Copyright © 2007 by the DAAAM-2007 editor. Abstracting and non-profit use of the material is permitted with credit to the source. Libraries are permitted to photocopy for private use of patrons. Instructors are permitted to photocopy isolated articles for non-commercial classroom use without fee. After this work has been published by the DAAAM International Vienna, the authors have the right to republish it, in whole or part, in any publication of which they are an author or editor, and to make other personal use of the work. Any republication, referencing, or personal use of the work must explicitly identify prior publication in the Annals of DAAAM for 2007 & Proceedings of the 18th International DAAAM Symposium, ISSN 1726-9679, ISBN 3-901509-58-5, Editor B.[ranko] Katalinic.

Published by DAAAM International, Vienna, Austria 2007, including page numbers. This publication includes the papers presented at 1st DAAAM European Young Researchers' and Scientists' Conference which was held together with the 18th International DAAAM Symposium.


ANNALS OF DAAAM FOR 2007 & PROCEEDINGS OF THE 18TH INTERNATIONAL DAAAM SYMPOSIUM, VOL. 18, NO1, Abbreviated key title: Ann. DAAAM proc. int. DAAAM Symp.
Published Annually by DAAAM International Vienna, Vienna 2007

Publisher: DAAAM International Vienna, TU Wien, Karlsplatz 13/311, A-1040 Vienna, Austria
E-mails: president@daaam.com katalinic@mail.ift.tuwien.ac.at / DAAAM homepage: http://www.daaam.com http://www.daaam.org

DAAAM INTERNATIONAL VIENNA
THE 18TH INTERNATIONAL DAAAM SYMPOSIUM
"INTELLIGENT MANUFACTURING & AUTOMATION:
FOCUS ON CREATIVITY, RESPONSIBILITY, AND ETHICS OF ENGINEERS"
24-27TH OCTOBER 2007, ZADAR, CROATIA

ORGANIZED IN ORDER TO CELEBRATE 70TH BIRTHDAY OF
DR WILFRIED STOLL
BY:

UNDER THE AUSPICES OF DANUBE RECTORS’ CONFERENCE &
RECTORS’ HONOR COMMITTEE OF DAAAM INTERNATIONAL FOR 2007

VLADIMÍR BÁLEŠ Rector, Slovak University of Technology Bratislava
GABRIELE BEIBST Rector, Jena University of Applied Science
LAJOS BESENYEI Rector, University of Miskolc
ALEKSA BIJELIĆ Rector, University of Zagreb
VLADIMIR BOBAL Vice-Rector, Tomas Bata University University Zlin
ION BOSTAN Rector, Technical University of Moldova
ANTONIO CASTORANI Rector, Politecnico of Bari
ANTON CÍZMAR Rector, Technical University of Kosice
TOMÁŠ CERMÁK Rector, Technical University of Ostrava
GIOVANNI DEL TIN Rector, Politecnico di Torino
JERZY DEMBICKI Rector, Poznan University of Technology
MIKHAIL I. DEMCHUK Rector, Byelorussian State Polytechnic Academy
AKOS DETREKÖI Rector, Budapest Univ. of Technology and Economics
JÓZEF GAWLIK Rector, Cracow University of Technology
SERGEY N. GRIGOREYEV Rector, Moscow State University of Technology
BORIS V. GUSEV President, Russian Academy of Engineering, Moscow
SADI RANDOUST President, Asian Institute of Technology
ZEINEL KELMENDI Rector, University of Prishtina
MICHAEL L. KHEIFETZ Vice-Rector, Polotsk State University
GORJANA KRALIK Rector, Strossmayer University of Osijek
VLADO MAŠTROVIĆ Rector, University of Mostar
SALVATORE MARZANO Rector, Politecnico di Bari
RADO MUNTEANU Rector, Technical University of Cluj-Napoca
HASAN MURATOVIC Rector, University of Sarajevo
TOMOYUKI NOGAMI President, Kobe University
CONSTANTIN OPREAN Rector, Lucian Blaga University of Sibiu
IVAN PAVIC Rector, University of Split
KAREL RAIS Rector, Brno University of Technology
PAVEL V. ROSLYAKOV Vice-Rector, Moscow Power Engineering Institute - Technical University
IVAN ROTH Rector, University of Maribor
DANIEL RUKAVINA Rector, University of Rijeka
PETR SAHA Rector, Tomas Bata University University Zlín
TAKESHI SASAKI President, University of Tokyo
FRITZ SCHMÖLLBECK Rector, Univ. of Applied Sciences Technikum, Vienna
SERGEY V. SEREBRYANNIKOV Rector, Moscow Power Engineering Institute - Technical University
VIKTOR V. SHALAI Rector, Omsk State Technical University
PETER SKALICKÝ Rector, Vienna University of Technology
YURIJ M. SOLOMENZEV President, Moscow State University of Technology
SERGEY M. STAZHKOV Vice-Rector, Baltic State Technical University
PEEP SÜRJE Rector, Tallinn Technical University
VIKTOR TRAMPEČYNSKI Rector, Technical University of Kielce
DZEMO TUFJEVIĆ Rector, University of Tuzla
ANTE UGLESIC Rector, University of Zagreb
WOJCIECH ZIELIŃSKI Rector, Silesian University of Technology, Gliwice

DAAAM INTERNATIONAL VIENNA
2007
DEANS’ AND ACADEMIC DIRECTORS’ HONOR COMMITTEE FOR 2007

BACALI, Laura
BADIDA, Miroslav
BENDER, Klaus
BENIC, Diuro
BERCE, Petru
BOLANCA, Stanislav
BOTEZATU, Cornelia P.
BOYADIEV, Ilia K.
CAPEK, Jan
CATOVIC, Fuad
CEVIK, Kemal
CHLEBUS, Edward
CLAUSEN, Uwe
COLAK, Ivo
CONSTANTIN, Mincu
COSIC, Ilia
CURKO, Tonko
DOBROČŽONI, Ádám
DOMAZET, Zeljko
DULCIC, Zelimir
DZAFEROVIC, Ejub
GALANTUCCI, Luigi Maria
GECEVSKA, Valentina
GHEORGHE, Nagit
GORDIEJKO, Anatolii I.
GRÖSEL, Bruno
HEUSCH, Christian
HODOLIC, Janko
JÖRGL, Hannes Peter
KALS, H.J.
KAVRAN, Zvonko
KENTER, I. Muhlis
KOZAR, Ivica
KRAFTOVA, Ivana
KRASNIQI, Feizullah
LOUDA, Petr
MARCIĆ, Milan
MARQUART, Hans-Georg
MEGHIDARI, Ali
MICHAIOLOV, Y.K.
MICHALOWSKI, Stanislav
MIKAC, Tonci
MILCIC, Deana
MINCIĆ, Constanti
MOCAN, Marius Liviu
MORARU, Sorin-Aurel
MORAVČIK, Oliver
MUNIȚIĆ, Ante
NIKOLOVSKI, Srete Naum
NORDMANN, Rainer
OTTO, Tauno
PENNINGER, Antal
PETRESCU, Valentin
PIHEN, Huynh Ngoc
PIVONKA, Petr
POPP, Karl
PRZEBYLSKI, W.
RUŽBARSKY, Juraj
SALIHU, Avdi H.
SAMARDZIC, Ivan
SEDA, Milan
SLIVIC, Milan
SZADKOWSKI, Jan
TERZIĆ, Avni K.
TIPURIC, Darko
UJEVIC, Darko
VACKAR, Joseph
VAŠEK, Vladimir
VIDUČIĆ, Vinko
VITEČEK, Antonin
WEIGANG, Wu
ZEJIRI, Hakif M.

REVIEWING COMMITTEE FOR 2007

BILBERG, Arne
BOSTAN, Ion
BOTEZATU, Cezar
BOTEZATU, Cornelia P.
BRIGHT, Glen
BUCHEISTER, Borut
BUCUR, Ion
CAR, Zlatan
Celan, Stipe
CONSTANTIN, George
COZMINCA, Irina
DOLGA, Valer
DUFLOU, Joost
DULGHERU, Valeriu
EGOROV, Sergey
FILARETOV, Vladimir F.
GALETIC, Lovorka
GRABENWEGER, Johann
GRONALT, Manfred
HÖKK, A.K.
KATALINIC, Branko
KOLAR, Dusan
KORDIC, Vedran
KUBINGER, Wilfried
LAJIS, Mohd Amri
LUDOVICO, Antonio D.
MEISSNER, Klaus
MRSA, Zoran
NANASI, Jozef
OPRUTA, Dan
OSMERA, Pavel
PARK, Hong-Seok
PEDGEN, Denis
PERUTKA, Karel
RAMETSTEINER, Werner
RUÍZ HERRERA, Gilberto
SPIRYAGIN, Maksym
STOPPER, Markus
STUJA, Kemal
TARABA, Bohumil
TOFAN, Mihai
TOPICEANU, Liliana
UDILAK, Toma
UEDA, Kani
UNGUREANU, Catalin
VIŠEKRUNA, Vojo
WEIGL, Karl Heinz
WESSELY, Emil

SPONSORS

CROATIAN MINISTRY OF SCIENCE, EDUCATION, AND SPORTS
FESTO

CITY OF ZADAR
CROATIA BANKA d.d. Zadar
DENONA d.d.
HSTEC d.d., Zadar
KHS AG - FILLING AND PACKING - WORLDWIDE
NATIONAL PARK “KRKA”

NATIONAL PARK “PAKLENICA”
NATURAL PARK “TELASICA”
NATIONAL PARK “VRANSKO JEZERO”
PRIVREDNA BANKA D.D. Zadar
T-COM, HT- HRVATSKE TELEKOMUNIKACIJE d.d.
TURISTHOTEL d.d.

DAAAM INTERNATIONAL VIENNA

DAAAM INTERNATIONAL VIENNA 2007

711 Years of Founding and 5 Years of Refounding of University of Zadar, Universitas Studiorum Jadertina, 1396 2002
### Scientific DAAAM International Committee for 2007

<table>
<thead>
<tr>
<th>Country</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aaland, Jarmo Tapani (FIN)</td>
<td>Eliseev, Aleksey S. (RUS)</td>
</tr>
<tr>
<td>Aral, Tamio (JPN)</td>
<td>Endter, R. (DEU)</td>
</tr>
<tr>
<td>Arndt, Günter (AUS)</td>
<td>Eversheim, W. (DEU)</td>
</tr>
<tr>
<td>Bachynsky, Morrel (CAN)</td>
<td>Filaret, Vladimir F. (RUS)</td>
</tr>
<tr>
<td>Balate, Jarošlav (CZE)</td>
<td>Gawlik, Jozef (POL)</td>
</tr>
<tr>
<td>Balic, Joze (SLO)</td>
<td>Gačaglia, G. E. (BRA)</td>
</tr>
<tr>
<td>Beer, Rudolf Julius (AUT)</td>
<td>Gibson, I. (AUS)</td>
</tr>
<tr>
<td>Belajev, Gennady J. (BLR)</td>
<td>Grabenweger, Johann (BRA)</td>
</tr>
<tr>
<td>Bilberg, Arne (DEN)</td>
<td>Gusev, Boris V. (RUS)</td>
</tr>
<tr>
<td>Bleidtner, Jens (DEU)</td>
<td>Gynge, Csaba (ROM)</td>
</tr>
<tr>
<td>Bohez, Eirk L. J. (THA)</td>
<td>Han, Qing Yao (CHN)</td>
</tr>
<tr>
<td>Boyadjiev, Ilia (BGR)</td>
<td>Iltschev, Velko (BGR)</td>
</tr>
<tr>
<td>Breidio, Iosif (KAZ)</td>
<td>Irfan, Mohammad A. (PAK)</td>
</tr>
<tr>
<td>Bright, Glen (RSA)</td>
<td>Janac, Alexander (SVK)</td>
</tr>
<tr>
<td>Browne, J. (IRL)</td>
<td>Karns, H. J. J. (NLD)</td>
</tr>
<tr>
<td>Celar, Stipe (HRV)</td>
<td>Katalinic, Branko (AUT)</td>
</tr>
<tr>
<td>Covic, Dragan (BIH)</td>
<td>Kimura, Fumihiko (JPN)</td>
</tr>
<tr>
<td>Cruz, Fernando M. M. (POR)</td>
<td>Kinnander, Anders (SWE)</td>
</tr>
<tr>
<td>Cseleényi, Jozsef (HUN)</td>
<td>Knosala, Ryzcard (POL)</td>
</tr>
<tr>
<td>Cus, Franci (SLO)</td>
<td>Koch, Jan (POL)</td>
</tr>
<tr>
<td>Cylkis, Jerzy (POL)</td>
<td>Kondratenko, Yuri (UKR)</td>
</tr>
<tr>
<td>Dar-Ell, E. (ISR)</td>
<td>Kopylov, Yurii M. (RUS)</td>
</tr>
<tr>
<td>De Filippi, A. (ITA)</td>
<td>Krolikowski, M.A. (POL)</td>
</tr>
<tr>
<td>Dikic, Mahmoud (CAN)</td>
<td>Kulenovic, Malik (BHI)</td>
</tr>
<tr>
<td>Dincmen, M. (TUR)</td>
<td>Kuljanic, Elso (ITA)</td>
</tr>
<tr>
<td>Dong, Jiannua (CHN)</td>
<td>Kuosmanen, Petri (FIN)</td>
</tr>
<tr>
<td>Dornfeld, David (USA)</td>
<td>Kusiak, Andrew (USA)</td>
</tr>
<tr>
<td>Dove, Rick (USA)</td>
<td>Kyttnner, Reen (EST)</td>
</tr>
<tr>
<td>Dudas, Illes (HUN)</td>
<td>Lazea, Gheorghe (ROM)</td>
</tr>
<tr>
<td>Egorov, Sergey B. (RUS)</td>
<td>Lee, Young H. (KOR)</td>
</tr>
<tr>
<td>Emura, Takashi (JAP)</td>
<td>Llorente, J. I. (ESP)</td>
</tr>
<tr>
<td></td>
<td>Lombardi, F. (ITA)</td>
</tr>
<tr>
<td></td>
<td>Low, Kin Huat (MAL)</td>
</tr>
<tr>
<td></td>
<td>Lu, S. S. (TWN)</td>
</tr>
<tr>
<td></td>
<td>Majstorovic, Vlado (BIH)</td>
</tr>
<tr>
<td></td>
<td>Meghdari, Ali (IRI)</td>
</tr>
<tr>
<td></td>
<td>Meissner, Klaus (DEU)</td>
</tr>
<tr>
<td></td>
<td>Munteanu Radu (ROM)</td>
</tr>
<tr>
<td></td>
<td>Mertins, Kae (DEU)</td>
</tr>
<tr>
<td></td>
<td>Michelin, R. C. (ITA)</td>
</tr>
<tr>
<td></td>
<td>Moravcik, Oliver (SVK)</td>
</tr>
<tr>
<td></td>
<td>Namasi, Jozef (SVK)</td>
</tr>
<tr>
<td></td>
<td>Neumann, H. I. (DEU)</td>
</tr>
<tr>
<td></td>
<td>Nicoletto, G. (ITA)</td>
</tr>
<tr>
<td></td>
<td>Novakovic, Branko (HRV)</td>
</tr>
<tr>
<td></td>
<td>Ozos, Kazimierz E. (POL)</td>
</tr>
<tr>
<td></td>
<td>Otto, Tauno (EST)</td>
</tr>
<tr>
<td></td>
<td>Pandey, P. C. (IND)</td>
</tr>
<tr>
<td></td>
<td>Park, Hong-Seok (KOR)</td>
</tr>
<tr>
<td></td>
<td>Pegden, Denis (USA)</td>
</tr>
<tr>
<td></td>
<td>Peklenik, Janez (SLO)</td>
</tr>
<tr>
<td></td>
<td>Poduraev, Yuri (RUS)</td>
</tr>
<tr>
<td></td>
<td>Polainar, Andrej (SLO)</td>
</tr>
<tr>
<td></td>
<td>Porter, Brian (IHK)</td>
</tr>
<tr>
<td></td>
<td>Pritschow, Günter (GER)</td>
</tr>
<tr>
<td></td>
<td>Przybylski, W. (POL)</td>
</tr>
<tr>
<td></td>
<td>Radermach, F. J. (DEU)</td>
</tr>
<tr>
<td></td>
<td>Radhakrishnan, V. (IND)</td>
</tr>
<tr>
<td></td>
<td>Ruiz Herrera, Gilberto (MEX)</td>
</tr>
<tr>
<td></td>
<td>Russell, Stuart (AUS)</td>
</tr>
<tr>
<td></td>
<td>Sam Salem (AUS)</td>
</tr>
<tr>
<td></td>
<td>Solomenze, Jurri M. (RUS)</td>
</tr>
<tr>
<td></td>
<td>Tabucanon, Mario T. (THA)</td>
</tr>
<tr>
<td></td>
<td>Takakawa, Soemon (JAP)</td>
</tr>
<tr>
<td></td>
<td>Takala, J. (FIN)</td>
</tr>
<tr>
<td></td>
<td>Tikka, H. (FIN)</td>
</tr>
<tr>
<td></td>
<td>Timoschenko, Victor (MOL)</td>
</tr>
<tr>
<td></td>
<td>Torres-Leza, F. (ESP)</td>
</tr>
<tr>
<td></td>
<td>Torvinn, S. (FIN)</td>
</tr>
<tr>
<td></td>
<td>Tsai, B. S. Y. (TWN)</td>
</tr>
<tr>
<td></td>
<td>Udhijak, Toma (HRV)</td>
</tr>
<tr>
<td></td>
<td>Uhlmann, Eckart (DEU)</td>
</tr>
<tr>
<td></td>
<td>Uyarr, Erol (TUR)</td>
</tr>
<tr>
<td></td>
<td>Van Brussel, Hendrik (BEL)</td>
</tr>
<tr>
<td></td>
<td>Van Oudheusden, Dirk L. (BEL)</td>
</tr>
<tr>
<td></td>
<td>Varga, Gyula (HUN)</td>
</tr>
<tr>
<td></td>
<td>Vavrin, Petr (CZE)</td>
</tr>
<tr>
<td></td>
<td>Velisek, Karol (SVK)</td>
</tr>
<tr>
<td></td>
<td>Venkatesh, V. C. (SGP)</td>
</tr>
<tr>
<td></td>
<td>Vitecek, Antonin (CZE)</td>
</tr>
<tr>
<td></td>
<td>Vranjes, Bozo (HRV)</td>
</tr>
<tr>
<td></td>
<td>Waldik, P. O. (BRA)</td>
</tr>
<tr>
<td></td>
<td>Werthem, Ralf (ISR)</td>
</tr>
<tr>
<td></td>
<td>Wessely, Emil (SVK)</td>
</tr>
<tr>
<td></td>
<td>Westkämper, Engelbert (DEU)</td>
</tr>
<tr>
<td></td>
<td>Wiendahl, Hans-Peter (DEU)</td>
</tr>
<tr>
<td></td>
<td>Williams, D. J. (GBR)</td>
</tr>
<tr>
<td></td>
<td>Winston, Patrick H. (USA)</td>
</tr>
<tr>
<td></td>
<td>zalaza, Ali M. S. (GBR)</td>
</tr>
<tr>
<td></td>
<td>Zitek, Pavel (CZE)</td>
</tr>
</tbody>
</table>

### Organizing Committee for 2007

<table>
<thead>
<tr>
<th>Country</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Katalinic, Branko (Chair)</td>
<td>Dragcevic, Zvonko</td>
</tr>
<tr>
<td>Uglesič, Ante (Co-Chair)</td>
<td>Höller, Liane</td>
</tr>
<tr>
<td>Cesarec, Paulina</td>
<td>Kettler, Roman</td>
</tr>
<tr>
<td></td>
<td>Knezevic, Sime</td>
</tr>
<tr>
<td></td>
<td>Stopper, Markus</td>
</tr>
<tr>
<td></td>
<td>Stuja, Kemajl</td>
</tr>
<tr>
<td></td>
<td>Wenger, Monika</td>
</tr>
</tbody>
</table>
INTERNATIONAL PROGRAM COMMITTEE FOR 2007

ACKO, Bojan
ALBERS, Albert
AFZULPURKAR, Nitin
ANDRlik, Vladimir
AURITE, Traian
BADDA, Miroslav
Balc, Nicolae
BARISIC, Branimir
BENIC, Diuro
BENKO, Imre
BIBU, Marius
BLEY, Helmut
BOBAI, Vladimir
BRANDASU, D.
BREZONIK, Miran
BRNIC, Josip
BUDIC, Ivan
BUNIAKU, Avdyl
BUTALA, Peter
CALA, Ivo
CALVET, Joan Vivancos
CAMPBELL, R. Ian
CAR, Zlatan
CHAJDA, J.
CHOI, Hoo-Gon
COHODAR, Maïda
COLEMAN, J. J.
COSIC, Ilja
COSIC, Pejo
COTET, Costel Emil
CUKOR, Goran
DASIC, Predrag
DAVIS, Steve
DEHELEAN, D.
DENKENA, Berend
DRAKOVI, George Stelica
DRAGCEVIC, Zvonko
DROSTVENEK, Igor
DUFLOU, Joost
DUHOVNIK, Joze
EGOROVA, Tatyana
FOLONOV, I.
FORRESTER, Jill
FUJI, Norio
GALETTA, Fausto

GARIBALDO, F.
GERSAK, Jelka
GHEONEA, A.
GIURGIUMAN, Horia T.
GONZALEZ, Cristina
GOLABCIK, Andrzej
GRIZELJ, Branko
GRONALT, Manfred
GRZESIK, Wit
HATONO, Itsuo
HESSE, R.
HLAVA, Jaroslav
HODOVIC, Janko
HOFREITER, Milan
HONCZARENKO, Jerzy
IWATA, Shuichi
JANACOVA, Dagmar
JANECKI, Dariusz
JARVIS, Christine W.
JERBIC, Bojan
JURAGA, Ivan
KATALINIC, Branko
KARAVOLKA, Tatyana
KAWALEC, Andrzej
KHOMCHENKO, Vasily
KILIC, S. E.
KIRK, Chris S.
Kliche, Bozidar
KLIMENTKO, S. A.
KLIJAJIN, Milan
KOHTLAMAIER, Martin
KOLIBAL, Zdenek
KOLOMAZNIK, Karel
KONDO, I.
KORDIC, Vedran
KOSMOLOVA, Jan
KOZAK, Dragan
KRAMEAR, Vadim A.
KRASNIQI, Z.
KRUCINSKA, Izabela
KUBALCIK, M.
KULENOVIC, Malik
KUNDRAK, Janos
KUZMAN, Karl
LAMPINEN, Juoni
LEE, Kyo Il
LENGUETO, Stanislaw
LEINONEN, T.
LI, Gihua
LJOLIC, Berislav
LO VALVO, Ernesto
LOPEZ DE LACALLE, Luis N.
LOW, Kin Huat
LUPOVICU, Antonio D.
MAJDANDZIC, Niko
MAJETIC, Dubravko
MALISA, Viktorio
MALOPOLOSKI, Waldemar
MARJANOVIC, Dorian
MARN, Ferdinand
MARSLAND, David
MEHTA, Narinder Kumar
MEIER, Horst
MENZ, Peter
MICIETA, Branislav
MIKAC, Tonci
MOK, H.
MORIWAKI, T.
MRSA, Zoran
MUSTAFIZUL, Karim
MYSILYAVTSEV, Alexandr
NAKAMOTO, Nobuyuki
NOH, Sang Do
NURUL AMIN A.K.M.
OKAMOTO, J.
OSMANI, Hysni
OSMERA, Pavel
OTTOSSON, S.
PASCUAL, R. Comamys
PAVIC, Mugi
PAVIC, Ivan
PERIC, Nedyelko
PETERS, Jacques
PETKOVIC, Darko
POPA, Horia Liviu
PRILJACA, Naser
PRUTEANU, O.
PYTKO, Stanislaw
QUINN, Roger D.

RADIC, Jure
RAY, T. S.
ROGALE, Dubravko
RODADO, V.O.G.
RUDAS, Imre J.
SHIBASAKA, T.
SHIH, Ming Chang
SIEMIATKOWSKI, M.
SINAY, Juraj
SKOCZYNSKI, Wacław
SKOLUD, Bozena
SLUGA, Aloiz
SOFONEA, G. Aurel
STARCEVIC, Jordan
STOPPER, Markus
STIUJA, Kemal
SYSLA, Tomas
TADAMURA, Katsumi
TAKALA, Josu
TOMASIC, Zelko
TAN, Kok Kiong
TEICH, Tobias
TRUNSTEIN, I.
TSUZUKI, M. S. G.
ULRICH, Günther
VAARIO, Jari
VAMOS, T.
VASEK, Vladimir
VEZA, Ivica
VISEKRUNA, Vojo
VOINSIAROS, George C.
WEIGANG, Wu
WEIG, K. Heinz
WINKLER, T.
XUE, D.
YAMAZAKI, K.
YOSHIDA, Susumu
YU, Y.-C.
ZAMPIRA, C. Sorin
ZAJAC, Jerzy
ZAPCIU, Miron
ZHANG, Guangming
ZICHI, Valentin
The main aim of this International Committee is international promotion of talented young researchers and scientists. Target group are: young engineers, master students, young master, doctoral students, young doctors, talented graduate students and other tolerant and talented young persons from one of the fields of interests of DAAAM International. The young winners of Best Paper Award of DAAAM International are also the member of this committee. The candidate has to be under age 35 years and has to be author or co-author of paper published in one of DAAAM publications. The candidate has to be nominated by the supervisor/professor/team leader. The nomination (short CV, research: status, field, course, targets, results) has to be send to the President of DAAAM International.
AGARWAL, BENI PRASAD
AKHONIN, ANDREY A.
ANDREIEC, ANDREJ
ARSDIN, M.
BADE, UDAR
BEER, HERBERT
BEER, MICHAEL
BERGERSSON, M.
BLASCHEK, CHRISTIAN
BRADNOVIC, MARIJAN
BRUCK, PETER
BULJAN, Jakov
BURGJELEZ, IVANA
CARDER, M. W.
CARLEBOM, TERRI
CELAB, STIPE
COSIC, PEJO
COSKUN, DENIZ
CRAFER, ROGER C.
CRNJAC, MIJENKO MICO
CULIJAK, VLADO
DADIC, MIHOVIL BRACO
DARKO, CSABA
DENONA, MARKO

DIAK, JOSIP
DIKIC, MASHA
DIVIC, ANTON
DOTIN, A.
FREIBERGER, DIETRICH
GLOSER, MANFRED
GOJA, ZELJKO
GRABENWEGER, JOHANN
HAAS, B.
HAAS, PETER
HEBEMÄGI, A.
HOLJECV, Nikolaj
IVANISEVIC, DARKO
JUKIC, IVAN
KALINUPRAK, VOLKAN
KATALINC, ANICA ACA
KEINER, WOLFGANG
KNEZEVIC, SIME
KOHLMAIER, MARTIN
KREMNJAK, ZVONKO
KREZIC, DAVOR
KUNSTANN, RUEDDER
LAHOODA, THOMAS
LENGAUER, MARKUS
LERCH, ZORAN
LEVSTEK, ANTON
LIMBECK, MATTHIAS
LIJURAR, DAVUL
MAZURAN, ZELEK
MAYOR, A.
MOIZSESEV, IOURI
MOLL, WOLFGANG
MORINAGA, H.
MORTIN, M.
MOSKOVENKO, IGOR B.
MURESAN, VASILE
MURINDE, VICTOR
NADER, HANS
NAKAMOTO, NABUYUKI
NAN, JOZEF
NEUPER, PETER
NIWINSKY, JANUSZ
NOVELS, MIKE
PFLEIGEL, REINHARD
PICHUGIN, VLADIMIR
PIESLINGER, KURT
POETTINGER, KLAUS
RAMETSTEINER, WERNER
RAMING, OTTO
REDTENBACHER, GUENTER
REICHEL, PETER
RICHLER, HANES
SANTEK, MILADEN
SOBOLEWSKI, ANDREJ
SZAVA, TIBOR
TSYDENOV, DORZHI T.
WIDTMANN, GEORG
WOENER, K.
YOSHIDA, H.
YOSHIDA, SUSUMU

THE MEMBERS OF PERMANENT COMMITTEE OF THE UNIVERSITY NETWORK OF DAAAM
INTERNATIONAL FOR 2007 ARE:

<table>
<thead>
<tr>
<th>Member organisation</th>
<th>Delegate</th>
</tr>
</thead>
<tbody>
<tr>
<td>DAAAM International Vienna</td>
<td>President Univ. Prof. Dipl.-Ing. Dr. techn. Dr.mult. h.c. Branko Katalinic</td>
</tr>
<tr>
<td>Danube Rectors’ Conference</td>
<td>Professor Dr. sc. Franci Cas</td>
</tr>
<tr>
<td>Budapest University of Technology and Economics,</td>
<td>The members of Permanent Committee have to be nominated by</td>
</tr>
<tr>
<td>Budapest</td>
<td>Budapest University of Technology and Economics</td>
</tr>
<tr>
<td>Josip Juraj Strossmayer University of Osijek,</td>
<td>Professor Dr. sc. Dragomir Krumes</td>
</tr>
<tr>
<td>Kobe University, Kobe</td>
<td>Director, Chair and Professor Kanji Ueda</td>
</tr>
<tr>
<td>Moscow State University of Technology &quot;Stankin&quot;,</td>
<td>President, Professor Dr. Sci. (tech.) Member of Russian</td>
</tr>
<tr>
<td>Moscow</td>
<td>Academy of Science Juri M. Solomentsev,</td>
</tr>
<tr>
<td>Slovak University of Technology Bratislava</td>
<td>O. Univ. Prof. Dipl.-Ing. Dr. techn. Dr. h.c. Sergey Egorov</td>
</tr>
<tr>
<td>Tallinn Technical University</td>
<td>Professor Dr. Marian Vesely</td>
</tr>
<tr>
<td>Technical University of Brno, Brno</td>
<td>Professor Ladislav Javorcik</td>
</tr>
<tr>
<td>Technical University of Cluj-Napoca,</td>
<td>Professor Rein Kyttner</td>
</tr>
<tr>
<td>Cluj-Napoca</td>
<td>Senator Prof. Ing. Jaroslav Balate,</td>
</tr>
<tr>
<td>Technical University of Kosice, Kosice,</td>
<td>Dr.Sc. Doc. Ing. Vladimir Vasek, CSc.</td>
</tr>
<tr>
<td>University of Maribor, Maribor</td>
<td>Dean Prof. Dr.Eng. Petru Berce,</td>
</tr>
<tr>
<td>University of Miskolc, Miskolc</td>
<td>Prof.dr.Eng. Csaba Gyenge</td>
</tr>
<tr>
<td>University of Mostar, Mostar,</td>
<td>Prof. Ing. Karol Florian, DrSc.,</td>
</tr>
<tr>
<td>Bosnia and Herzegovina</td>
<td>Prof. Dr. Emil Wessely</td>
</tr>
<tr>
<td>University of Prishtina,</td>
<td>Professor Dr. sc. Joze Balic</td>
</tr>
<tr>
<td>Prishtina, Kosovo</td>
<td>Professor Dr.-Ing. Dr.h.c. mult. Jozsef Cseneyi,</td>
</tr>
<tr>
<td>University of Rijeka, Rijeka</td>
<td>Professor Dr Gabor Terstyanaszky</td>
</tr>
<tr>
<td>University of Split, Split</td>
<td>Rector Prof. Dr. Vlado Majstorovic,</td>
</tr>
<tr>
<td>University of Zagreb, Zagreb</td>
<td>Prof. Dr. sc. Vojo Visekruna</td>
</tr>
<tr>
<td></td>
<td>Vice-Rector Prof. Dr. Ahmet Geca,</td>
</tr>
<tr>
<td></td>
<td>Prof.-Dr. Bajrash Bytyci</td>
</tr>
<tr>
<td></td>
<td>Professor Josip Brnic, Ph.D.,</td>
</tr>
<tr>
<td></td>
<td>Professor Zoran Mrsa, Ph.D.</td>
</tr>
<tr>
<td></td>
<td>Rector Professor Dr. Ivan Pavic</td>
</tr>
<tr>
<td></td>
<td>Rector Professor Dr. Aleksa Bjelis</td>
</tr>
</tbody>
</table>
DAAAM INTERNATIONAL VIENNA:
BACKGROUND, HISTORY, AIMS, STRUCTURE, ACTIVITIES & FUTURE

Branko KATALINIC
President of DAAAM International
www.daaam.com / www.daaam.org

0.0 Contents:
1.0 Background
2.0 Aims
3.0 Organisation – National Presidents – International Coordinators
4.0 DAAAM Symposiaums Authors’ Club
5.0 In Memoriam
6.0 DAAAM International Medal
7.0 University Charter of Dubrovnik
8.0 DAAAM International Network for Advanced Technologies (Founded 2002)
9.0 DAAAM International Network for Mechatronics and Robotics (Founded 2004)
10.0 DAAAM International Symposiaums (1990-2007)
11.0 Best paper / Presentation Awards of DAAAM International
12.0 DAAAM International Young Researchers and Scientists Award
13.0 Festo Young Researchers and Scientists Support Scholarship
14.0 Best digital photo award
15.0 Best smel and taste award
16.0 DAAAM International Specialized Conferences
17.0 DAAAM International Conference "Advanced Technologies for Developing Countries"
18.0 DAAAM International Workshops "Computer Aided Systems and Technologies"
19.0 DAAAM International Workshops "Intelligent Manufacturing Systems"
20.0 DAAAM International Workshops
21.0 Conferences organized in cooperation with DAAAM International and/or DAAAM National
22.0 DAAAM & CEEPUS Joint European Projects
23.0 DAAAM International Books
24.0 International Journal of Simulation Modelling
25.0 20 Years DAAAM International (1990-2010) Project
26.0 DAAAM: URL – Home Page – Contact Address

1.0 BACKGROUND

The DAAAM International was founded and based on the idea and initiative of Professor B. Katalinic, on November 5th, 1990 at the Vienna Symposium, which was organised in order to mark the 175th anniversary of the Vienna University of Technology.

The purpose of DAAAM International is to provide a world forum for engineers, scientists and industrial managers to present and discuss the current status and impact of advanced manufacturing and automation.

During the last seventeen years, the activities of DAAAM International have been supported by scientists and experts from over fifty countries all over the world. In the course of the last five years, DAAAM International has focused activities on the regional and global long-term co-operation between (technical) universities. The result of this initiative is the founding of the University Network of DAAAM International Vienna and DAAAM International Network for Advanced Technologies which was founded on 2002-10-25 in Vienna.

2.0 AIMS

The main aims of DAAAM are:

- To organise an annual DAAAM International Symposium each year.
- To found and organise the University Network of DAAAM International Vienna as a strategic alliance and permanent international open platform for long-term co-operation and partnership in all fields of technology, research and education.
- To organise long-term projects, initially known as Inter-university Doctoral Studies
- To organise a pilot project, initially known as the Virtual University.
- To enable and promote the exchange of people, scientific, and technical information.
- To enable and promote international co-operation among scientists and engineers.
- To enable and promote R & D, education and industrial application.
- To co-operate with other national and international organisations in matters of common interest.
3.0 ORGANISATION OF DAAAM INTERNATIONAL VIENNA

DAAAM International Vienna

President:
Branko Katalinic

Vice presidents for 2007
Joze Balic / Andrew Kusiak / Toma Udiljak / Kanji Ueda

Honour Vice presidents for 2007
Ferenc Alpek / Jaroslav Balate / Klaus Meissner / P. C. Pandey / Janez Peklenik / Emil Wessely

International Senior Advisor for 2007
Franci Cus / Vladimir Filaretov / Malik Kulenovic

Secretary
Paulina Cesarec

Team
Branko Katalinic / Paulina Cesarec / Liane Höller / Roman Kettler / Markus Stopper / Kemal Stuja / Monika Wegner

Presidents and Vice Presidents* of National DAAAM Organisations for 2007

Jaroslav Balate Czech Republic
Arne Bilberg Denmark
Jens Bliedtner Germany
Breido, Iosif Kazakhstan
Glen Bright Republic of South Africa
Costel Emil Cotet* Romania
Fernando M. M. Cruz Portugal
Mahmud Dikic Canada
Jianhua Dong P. R. China
Igor Drstvensek Slovenia
Joost Duflou Belgium
Vladimir I. Dynnikov* Brazil
Sergey Egorov Russia
Horia Traian Giurgiuiman Switzerland
Jan Goossenaerts Holland
Johann Grabenweger Brazil
Csaba Gyenge Romania
Qing-Yao Han P. R. China
Peter Holmstedt Sweden
Velko Iltschev Bulgaria
Mohammad A. Irfan Pakistan
Ashutosh Khanna* India
Yurij Kondratenko Ukraine
Petri Kuosmanen Finland
Andrew Kusiak USA
Rein Kyttner Estonia
Marcin A. Krolikowski Poland
Luis Norberto Lopez de Lacalle Spain
Vlado Majstorovic Bosnia and Herzegovina
Ali Meghdari Iran
Karim Mustafizul Malaysia
P. C. Pandey India
Hong-Seok Park Korea
Gilberto Hererra Ruiz Mexico
Kemajl Stuja Kosovo
Dmitry Swirsky Belarus
Kok Kiong Tan Singapore
Mario T. Tabucanon Thailand
Victor Timoschenko Moldavia
Kanj Ueda Japan
Toma Udiljak Croatia
Erol Uyarr Turkey
Ernesto Lo Valvo Italy
George Christopher Vosniakos Greece
DAAAM International Coordinators for 2007

Miroslav Badida  Technical Environmentalistics
Joze Balic  Intelligent Manufacturing
Ivo Cala  Maintenance
Franci Cus  High Education Quality Management
Mahmud Diseki  Assembly Automation
Zvonko Dragecevic  Textile and Garment
Alexey Eliseev  Internet Lab Sharing and Networking
Sergey Egorov  Securities & Financial Management
Vladimir F. Filaretov  Teleoperators
Johann Grabenweger  Material Sciences
Manfred Gronalt  Logistics
Branko Katalinic  Intelligent Manufacturing Systems
Viktorio Malisa  Mechatronics / Robotics
Klaus Meissner  Precision Engineering
Zoran Mrsa  Optimal Shape Design
Jozef Nanasi  Automotive Industry
Markus Stopper  Production Information Technology
Koji Ueda  Biological Manufacturing Systems
Ante Ugletic  History of Artefacts
Heinz Weigl  Simulation

NB: The further International Coordinators for different topics/fields are needed and welcome, if you want to be one of them please contact the president of DAAAM International

4.0 DAAAM Symposia Clubs

Since founding of DAAAM International Symposium in 1990 3824 authors and co-authors published at least once their scientific papers in the Annals & Proceedings of DAAAM International Symposium. The members of the club are the persons which presented and/or published their papers at all / not less than 15 / not less than 10 / not less than 5 DAAAM International Symposiums:

All DAAAM Symposiums Authors’ Club
Balic, Joze / Cus, Franci / Katalinic, Branko / Polajnar, Andrej / Veza, Ivica / Wessely, Emil

Members of 15+ DAAAM Symposiums Authors’ Club
Balate, Jaroslav / Boyadjiev, Iliya Kirilov / Buchmeister, Borut / Budic, Ivan / Gyenge, Csaba / Udiljak, Toma

2008 Candidates for 15+ DAAAM Symposiums Authors’ Club
Following DAAAM authors are candidates and have a chance to join the 15+ Club in 2008
Alpek, Ferenc / Novakovic, Branko / Velisek, Karol

Members of 10+ DAAAM Symposiums Authors’ Club
Adamczak, Stanislaw / Badida, Miroslav / Bobal, Vladimir / Brezocnik, Miran / Buble, Marin / Dragecevic, Zvonko / Drstvensek, Igor / Dulcic, Zelimir / Grizelj, Branko / Hodolic, Janko / Janac, Alexander / Janacova, Dagmar / Jerbic, Bojan / Kheifetz, Michael / Kljajin, Milan / Kolomaznik, Karel / Kostal, Peter / Koukhta, Sergei Vasilievich / Krolikowski, Marcin A. / Krumes, Dragomir / Kubalcik, Marek / Krenov, Malik / Kudrak, Janos / Kunica, Zoran / Kurlic, Ivan / Leber, Marjan / Mahovic Poljacek, Sanja / Majetic, Dubravko / Majstrovic, Vlado / Malakov, Ivo / Math, Miljenko / Matysiak, Miroslav / Meissner, Klaus / Micieta, Branislav / Milfelner, Matjaz / Mrsa, Zoran / Mursec, Bogomir / Nanasi, Jozef / Neumann, Petr / Nikolic, Gojko / Pahole, Ivo / Papstel, Jyri / Park, Hong-Seok / Pavic, Ivan / Rogale, Dubravko / Siemiatkowski, Mieczyslaw / Szalay, Tibor / Vasek, Vladimir / Vranjes, Bozo

2008 Candidates for 10+ DAAAM Symposiums Authors’ Club
Following DAAAM authors are candidates and have a chance to join the 10+ Club in 2008
Acko, Bojan / Agic, Darko / Ancau, Mircea / Anna, Vojtech / Bnic, Josip / Canadija, Marko / Capek, Jan / Cohodar, Maida / Cyklis, Jerzy / Dukovski, Vladimir / Gojo, Miroslav / Knego, Nikola / Markos, Sandor / Pandilov, Zoran / Stopper, Markus / Sysala, Tomas / Ueda, Kanji / Voloder, Avdo / Weiss, Zenobia / Zajac, Jerzy
5.0 IN MEMORIAM OF NICE DAAAM COLLEAGUES AND DEAR FRIENDS

Professor Dr Jyri Papstel (1940–2004), Tallinn Technical University, Tallinn Estonia, Vice President of DAAAM International, Founder and President of DAAAM Estonia, Founding member of the pilot projects Interuniversity Doctoral Studies and Virtual University. Member of: International Organizing / Program / Scientific / Review Committees. President of Award Committee. Author. Honored with Medal of DAAAM International Vienna.

M. Sc. Dipl.-Ing. Ivan Ivancic (1952–2004), Ericsson - Tesla, Zagreb, Croatia, International Coordinator for the field Maintenance, Member of International Organizing / Program / Review Committees.

Professor Dr Zdenko Kordic (1949–2004), University of Mostar and University of Split, Founder and First Rector of the University of Mostar, Member of Rectors’ Honor Committee, Founding member of the pilot projects Interuniversity Doctoral Studies and Virtual University. Member of International Program and Scientific Committees. Author. Honored with Medal of DAAAM International Vienna.

6.0 DAAAM INTERNATIONAL MEDAL

On the occasion of 10th DAAAM International Symposium, DAAAM International introduced the Medal of DAAAM International “for excellence in the science, technology, and international scientific co-operation in the framework of DAAAM International Vienna” as a highest recognition for individual persons and institutions. The medal is designed by B. Katalinic, produced by Moscow State Mint Institute and sponsored by Moscow State University of Technology "Stankin" and Cassandra Trust – Ireland. Maximal one person and/or one institution are honoured by medal in one year.

7.0 UNIVERSITY CHARTER OF DUBROVNIK

The text of the University Charter of Dubrovnik: We, the representatives of different Universities and Institutions, after two years preparation at the meeting initiated and organized by The Danube Adria Association for Automation & Manufacturing, DAAAM International under the auspices of The Danube Rectors’ Conference on the occasion of the Eighth International DAAAM Symposium "Intelligent Manufacturing & Automation" held at the International Center of Croatian Universities (University of Zagreb) in Dubrovnik, Croatia, decided to found the University Network of DAAAM International Vienna as a strategic alliance and permanent open platform for long-term co-operation and partnership in all fields of technology, research and education.

The co-operation has to be continuously organized and is based on the partnership, friendship, tolerance, appreciation and positive experience of international scientific co-operation within the framework of DAAAM International during the last eight years. The co-operation can use different flexible forms, structures and aspects. The practical co-operation will be project-based organized. The highest priority is given to the organization of two long - term projects, initially known as: Interuniversitary Doctoral Studies and a pilot project Virtual University. Signed by the founding members in Dubrovnik, Croatia, on the twenty-third of October 1997.
8.0 DAAAM INTERNATIONAL NETWORK FOR ADVANCED TECHNOLOGIES

The text of the Network founding document: We, the representatives of different Universities, Institutions, and Firms at the meeting initiated and organized by The Danube Adria Association for Automation & Manufacturing, DAAAM International Vienna under the auspices of The Danube Rectors’ Conference on the occasion of the Thirteenth International DAAAM Symposium "Intelligent Manufacturing & Automation: Learning from Nature" held at the Vienna University of Technology and Austrian Society of Engineers and Architects in Vienna, Austria, decided to found the DAAAM International Network for Advanced Technologies as a strategic alliance and permanent open platform within European Research Area for long-term co-operation and partnership in all fields and aspects of research, developing, transfer, education and use of advanced technologies.

The co-operation has to be continuously organized and had to be based on the partnership, friendship, tolerance, appreciation and positive experience of international scientific co-operation within the framework of DAAAM International during the last fourteen years. The co-operation can use individual flexible project oriented forms, structures and aspects and support the young researchers’ mobility as well. The practical co-operation will be project-based organized. The highest priority is given to the organization of long - term international cooperation projects focused on advanced technologies for balanced development and harmony between men, technology and nature. The network has to be platform for dissemination of relevant information and ideas, supporting international partnership and encouraging of cooperation initiatives. Signed by the founding members in Vienna, Austria, European Union, on the twenty-fifth of October 2002

Activity No. 1: The conference bags and flags for DAAAM 2003 in Sarajevo are sponsored by the Faculty of Textile Technology, University of Zagreb, and organised by Professor Z. Dragcevic as the first activity in the frame of DAAAM International Network for Advanced Technologies.

9.0 DAAAM INTERNATIONAL NETWORK FOR MECHATRONICS AND ROBOTICS

The text of the Network founding document: We, the representatives of different Universities, Institutions, and Firms at the meeting initiated and organized by The Danube Adria Association for Automation & Manufacturing, DAAAM International Vienna under the auspices of The Danube Rectors’ Conference on the occasion of the Fifteenth International DAAAM Symposium "Intelligent Manufacturing & Automation: Globalisation - Technology - Men - Nature" held at the Vienna University of Technology and Austrian Society of Engineers and Architects in Vienna, Austria, decided to found the DAAAM International Network for Mechatronics and Robotics as a strategic alliance and permanent open platform within European Research Area for long-term co-operation and partnership in all fields and aspects of research, developing, transfer, education and use of advanced technologies.

The co-operation has to be continuously organized and had to be based on the partnership, friendship, tolerance, appreciation and positive experience of international scientific co-operation within the framework of DAAAM International during the last fifteen years. The co-operation can use individual flexible project oriented forms, structures and aspects and support the young researchers’ mobility as well. The practical co-operation will be project-based organized. The highest priority is given to the organization of long - term international cooperation projects focused on advanced technologies for balanced development and harmony between men, technology and nature. The network has to be platform for dissemination of relevant information and ideas, supporting international partnership and encouraging of cooperation initiatives. Signed by the founding members in Vienna, Austria, European Union, on the fifth of November 2004

10.0 DAAAM INTERNATIONAL SYMPOSIUMS (1990-2007)

One important activity is organising the DAAAM International Symposium. The main objective of the Symposium is to provide a world forum, which takes place annually in Central Europe to exchange knowledge, experience, results and information related to various aspects of the advanced manufacturing and modern automation.

The scope of the Symposium covers scientific, technological and practical concepts concerning research, development and realisation of advanced manufacturing and automation concepts, offering a unique opportunity for experts to meet and exchange ideas. The Symposium is concerned with the current status of automation and manufacturing, methods and results of research and development, as well as application problems and publishes proceedings accordingly.

2007

18th International DAAAM Symposium "Intelligent Manufacturing & Automation: Focus on Creativity, Responsibility, and Ethics of Engineers"

On the occasion of the 5th Anniversary of Refounding of the University of Zadar (Founded 1396)

Date & Place: 24-27th October 2007, Zadar, Croatia

DAAAM INTERNATIONAL VIENNA 2007
XVI

Organized by DAAAM International Vienna, University of Zadar, University of Applied Sciences Technikum Vienna, Vienna University of Technology - Department of Production Engineering / Intelligent Manufacturing Systems (IFT-IMS), ÖIAV 1848 Austrian Society of Engineers and Architects

Under the auspices of Danube Rectors’ Conference & Rectors’ Honor Committee of DAAAM International

In cooperation with Croatian National Tourist Board

Organizer Katalinic, Branko (Chair) / Uglesic, Ante (Co-Chair) / Cesarec, Paulina / Dragecivic, Zvonko / Höller, Liiane / Kettler, Roman / Knezevic, Sime / Stopper, Markus / Stuja, Kemajl / Wenger, Monika


Editor Katalinic B.

2006

17th International DAAAM Symposium "Intelligent Manufacturing & Automation: Focus on Mechatronics and Robotics"

On the occasion of 150th Birthday of Nikola Tesla (1856-1943) Inventor of Mobile Robot Teleoperation

Date & Place 8-11th November 2006, Vienna, Austria

Organized by DAAAM International Vienna, Vienna University of Technology - Department of Production Engineering / Intelligent Manufacturing Systems (IFT-IMS), ÖIAV 1848 Austrian Society of Engineers and Architects, University of Applied Sciences - Technikum

Under the auspices of Danube Rectors’ Conference & Rectors’ Honor Committee of DAAAM International

In cooperation with Vienna Convention Bureau

Organizer Buchmeister, Borut / Dragecivic, Zvonko / Egorov, Sergey / Höller, Liiane / Katalinic, Branko (Chair) / Lazinica, Aleksandar / Malisa, Viktorio / Sagmeister, Nicole / Stuja, Kemajl / Viktorik, Hans / Viktork, Silvia


Editor Katalinic B.

2005

16th International DAAAM Symposium "Intelligent Manufacturing & Automation: Focus on Young Scientists and Researchers"

On the occasion of 15 Years of DAAAM International Vienna, 1990-2005

Date & Place 19-22nd October 2005, Opatija, Croatia

Organized by DAAAM International Vienna, Vienna University of Technology - Department of Production Engineering / Intelligent Manufacturing Systems (IFT-IMS), ÖIAV 1848 Austrian Society of Engineers and Architects

Under the auspices of Danube Rectors’ Conference & Rectors’ Honor Committee of DAAAM International

In cooperation with Vienna Convention Bureau

Organizer Anisic, Bojan / Barisic, B. / Blazevic, Dulibor / Buchmeister, Borut / Car, Zlatan / Dragecivic, Zvonko / Egorov, Sergey / Grabenweger, Johannes / Gronalt, Manfred / Höller, Liiane / Huber, Ingrid / Jurkovic, Z. / Katalinic, Branko (Chair) / Lazinica, Aleksandar / Malisa, Viktorio / Merdan, Munir / Mikac, Tonci (Co-Chair) / Mirjamic, Valentina / Nanasi, Jozef / Schaumberger, Werner / Stopper, Markus / Stuja, Kemajl / Udiljak, Toma / Widtmann, Georg


Editor Katalinic B.

2004

15th International DAAAM Symposium "Intelligent Manufacturing & Automation: Globalisation - Technology - Men - Nature"

On the occasion of 155 Years of Austrian Society of Engineers and Architects ÖIAV 1848

Date & Place 3-6th November 2004, Vienna, Austria, European Union

Organized by DAAAM International Vienna, Vienna University of Technology - Department of Production Engineering / Intelligent Manufacturing Systems (IFT-IMS), ÖIAV 1848 Austrian Society of Engineers and Architects

Under the auspices of Danube Rectors’ Conference & Rectors’ Honor Committee of DAAAM International

In cooperation with Vienna Convention Bureau

Organizer Bartak, Harald; Buchmeister, Borut; Dragecivic, Zvonko; Egorov, Sergey; Frank, Willy; Grabenweger, Johann; Gronalt, Manfred; Höller, Liiane; Hrelja, Igor; Katalinic, Branko (Chair); Kettler, Roman; Kordic, Vedran; Lazinica, Aleksandar; Löschner, Adam; Magyar, Teresa; Malisa, Viktorio; Merdan, Munir; Müller, Simon; Nanasi, Jozef; Piller, Johannes; Reinsch, Roland; Roth, Michael; Saliger, Florian; Schaumberger, Werner; Schmidt, Thomas; Stuja, Kemajl; Trauzettel, Ulrich; Udiljak, Toma; Widtmann, Georg; Wirths, Thomas.


Editor Katalinic B.
| Year | Symposium Title                                                                 | On the occasion of                                                                 | Date & Place                          | Organized by                                                                 | Under the auspices of                                      | In cooperation with                                      | Organizer        | Publication                                                                 | Editor         |
|------|---------------------------------------------------------------------------------|----------------------------------------------------------------------------------|--------------------------------------|--------------------------------------------------------------------------------|------------------------------------------------------------|---------------------------------|-----------------|------------------------------------------------------------------------------|----------------|-----------------------------------------------------------------------------|
| 2003 | 14th International DAAAM Symposium "Intelligent Manufacturing & Automation: Focus on Reconstruction and Development" | 155 Years of Austrian Society of Engineers and Architects ÖIAV 1848 / 45 Years of the Faculty of Mechanical Engineering University of Sarajevo | 22-25th October 2003, Sarajevo, Bosnia and Herzegovina | DAAAM International Vienna, University of Sarajevo - Faculty of Mechanical Engineering, Vienna University of Technology - Department of Production Engineering / Intelligent Manufacturing Systems (IFT-IMS), ÖIAV 1848 Austrian Society of Engineers and Architects | Danube Rectors’ Conference & Rectors’ Honor Committee of DAAAM International | Federal Ministry of Education, Sciences and Culture - Vienna, ÖIAV 1848 Austrian Society of Engineers and Architects | Katalinic, Branko (Chair), Kulenovic, Malik (Co-chair), Widtmann, G., et al. | Annals of DAAAM for 2003 and Proceeding of the 14th International DAAAM Symposium, ISSN 1726-9679, ISBN 3-901509-34-8 | Katalinic B.    |
| 1999 | 10th International DAAAM Symposium "Intelligent Manufacturing & Automation: Past – Present - Future" |                                                                                 |                                      |                                                                                 |                                                            |                                                | Katalinic B.        |                                                                             | Katalinic B.    |
10th International DAAAM Symposium, Last International DAAAM Symposium in this Millennium

Date & Place: 21-23rd October 1999, Vienna University of Technology - Department of Production Engineering / Intelligent Manufacturing Systems (IFT-IMS), Austrian Society of Engineers and Architects ÖIAV 1848, Vienna, Austria

Organized by: DAAAM International Vienna, Vienna University of Technology, Department of Production Engineering / Intelligent Manufacturing Systems (IFT-IMS)

Under the auspices of: Danube Rectors’ Conference & Rectors’ Honor Committee of DAAAM International


Publication: Proceedings ISBN 3-901509-10-0

Editor: Katalinic B.

1998
9th International DAAAM Symposium "Intelligent Manufacturing, Automation & Networking"

On the occasion of: 50 Years of the Technical University of Cluj - Napoca

Date & Place: 22-24th October 1998, Technical University of Cluj - Napoca, Cluj - Napoca, Romania

Organized by: DAAAM International Vienna, Technical University of Cluj - Napoca, Vienna University of Technology - Department of Production Engineering / Intelligent Manufacturing Systems (IFT-IMS)


Proceedings ISBN 3-901509-08-9

Editor: Katalinic B.

1997
8th International DAAAM Symposium "Intelligent Manufacturing & Automation"

On the occasion of: Founding of the University Network of DAAAM International Vienna

Date & Place: 23-25th October 1997, ICCU - International Centre of Croatian Universities (University of Zagreb), Dubrovnik, Croatia

Organized by: DAAAM International Vienna, University of Zagreb, Vienna University of Technology, Department of Production Engineering / Intelligent Manufacturing Systems (IFT-IMS)

Under the auspices of: Danube Rectors’ Conference & Rectors’ Honor Committee of DAAAM International


Proceedings ISBN 3-901509-04-6

Editor: Katalinic B.

1996
7th International DAAAM Symposium "Product & Manufacturing: Flexibility, Integration, Intelligence"

On the occasion of: 1,000 Years of Austria

Date & Place: 17-19th October 1996, Vienna, Austria

Organized by: DAAAM International Vienna, Vienna University of Technology, Department of Production Engineering (IFT-IMS)

Under the auspices of: Danube Rectors’ Conference

Organizer: Katalinic B., Celar S., Fabian E., Nanasi J.

Proceedings ISBN 3-901509-02-X

Editor: Katalinic B.

1995
6th International DAAAM Symposium "Intelligent Manufacturing Systems"
11.0 BEST PAPER / PRESENTATION DAAAM AWARD

Since 1999 the DAAAM International Vienna recognizes excellence of contributions in a number of ways. There are three categories for papers:

- Best Paper Award of DAAAM International for the best paper presented at Symposium,
- DAAAM International Award for Best Oral Presentation of Paper,
- DAAAM International Award for Best Visual Presentation of Paper.
The Awards are made at the Closing Section and Best Paper Award Ceremony of the Symposium takes part on Friday at 17:00 hours. The Award Committee of DAAAM International makes the evaluation of presented papers during the Symposium. The final decisions are made by the President of the Award Committee of DAAAM International. Former Presidents of the Paper Award Committee of DAAAM International are: 2006 Professor Vladimir Filaretov, 2005 Professor Ueda, 2004 Professor Franc Cus, 2003 Professor Jyri Papstel, 2002 Professor Kanji Ueda, 2001 Professor Toma Udiljak, 2000 Professor Jyri Papstel, and 1999 Professor Kanji Ueda. The President and the final list of the members of the Committee will be announced at Opening Ceremony of the Symposium. All (co)authors of awarded papers are getting the certificate, the paper (main author) additionally getting Best Paper Medal. The layout of the Best Paper Medal you can see at the cover of this publication. The papers which authors are member of the Award committee and the papers which are not presented at Symposium are excluded from competition and can not get the Award.

12.0 DAAAM INTERNATIONAL YOUNG RESEARCHER AND SCIENTIST AWARD

DAAAM International Vienna wants to recognize excellence of contributions of young researchers and scientists, and their supervisors and mentors. Starting with the 1st European DAAAM International Young Researchers’ and Scientists’ Conference, and 18th DAAAM International Symposium "Intelligent Manufacturing and Automation: Focus on Creativity, Responsibility and Ethics of Engineers", which are held 24-27th October 2007 in Zadar, Croatia, the best young researchers and scientists will be honoured by "DAAAM International Young Researchers and Scientist Award"

Awards are possible in following categories:

<table>
<thead>
<tr>
<th>Related to:</th>
<th>Categories:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper:</td>
<td>Best Paper / Best Oral Presentation / Best Graphic Presentation / Best Poster Presentation / Best Demonstration</td>
</tr>
<tr>
<td>Supervisor / Mentor:</td>
<td>Best Supervisor/Mentor / Best Team Manager / Best Project Manager / Best Leader / Best Female Supervisor</td>
</tr>
<tr>
<td>Quality of Project / Research:</td>
<td>Best Industrial Project / Best Research Project / Best Application / Best Innovation / Best Theory</td>
</tr>
<tr>
<td>Contest:</td>
<td>Interdisciplinarity / European Relevance / Future Oriented / Ethics / Harmony with Nature</td>
</tr>
<tr>
<td>Team:</td>
<td>Best Team / Best University Team / Best Firm / Best International Team / Youngest Team</td>
</tr>
</tbody>
</table>

In the case of extraordinary contributions which can not be expressed by above mentioned recognitions is possible to make a Special Award. The Awards are made at the Closing Section of the Symposium. The final decision is made by President of the Award Committee of DAAAM International for actual year. Former Presidents of the Award Committee are recognised international leading experts and professors. All awarded authors and co-authors of paper are getting attractive DAAAM International Best Award Certificate. The Award Certificates are personal, very nice professional designed, framed and ready to hang in your room. Authors’ team is getting one medal named: "DAAAM International Young Researcher and Scientist Award". This Medal is designed by: Branko Katalinic, Sabine Wulffert, and Igor Drstvensek who made the prototype and first edition of medals in 2007. This medal is sponsored by concern Festo.

Very Important: The papers which authors are member of the Award committee and the papers which are not presented at Symposium are excluded from competition and can not get the Award.

13.0 FESTO YOUNG RESEARCHERS AND SCIENTISTS SUPPORT SCHOLARSHIP

Since 2007 concern Festo gives, by courtesy of Dr. Wilfried Stoll, support scholarship to excellent young researchers and scientists to present own research results at European DAAAM International Young Researchers’ and Scientists’ Conferences, and DAAAM International Symposiums "Intelligent Manufacturing and Automation". This scholarship covers conference fee, accommodation and (partly) travel expenses. Conditions for wining this scholarship are: candidate must come to conference and must present own research results, candidate must have high quality research and presentation, and candidates have to come from different countries. The winners are getting special "Certificate of Attendance" with special text " …participated as winner of Festo Young Researcher and Scientist Support Scholarship". The awards are made at the closing ceremony, and given by high representative of concern Festo. The first representative for 2007 is Ing. Wolfgang Keiner, general manager Festo Austria.

14.0 BEST DIGITAL PHOTO DAAAM AWARD
Importance of digital photography for research, publishing and social relations is rapidly increased during last time. For that reason we are going to establish DAAAM International Photo Gallery with photos which are related to the symposium and our activities (place, people, situation, art, special effects). The gallery will be free accessed and searchable. For this project we are looking for amateur photographs among the participants to be official photographs of DAAAM International and member of DAAAM International Photo Team. Digital photos can be given during the symposium to the organizer, or send after symposium by e-mail. All photos which are technically good made will be included in the gallery. On the next symposium the up to three authors of nicest photos will get Best Digital Photo Award.

15.0 BEST TASTE AND SMELL OF DAAAM AWARD

"Best Taste and Smell of DAAAM International": Many of colleagues in DAAAM International network are excellent hobby cooks, liquor maker or winemaker. Each year we are making small tasting of their specialities under the motto "Best taste and smell of DAAAM International". Authors are encouraged to bring some self-made specialities to DAAAM symposium. The best will be honoured with "Best Taste and Smell DAAAM International Award".

16.0 DAAAM INTERNATIONAL SPECIALIZED CONFERENCES

2007

1st DAAAM International Specialized Conference on Additive Technologies

Founder and Chair: Katalinic B.

Date & Place: 20th April 2007, Celje, Slovenia

Organized by: DAAAM International Vienna / RAPIMAN – Rapid Prototyping and Innovative Manufacturing Network / Vienna University of Technology - Department of Production Engineering / Intelligent Manufacturing Systems (IFT-IMS), / University of Maribor , Faculty of Mechanical Engineering - Department of Production Engineering / ÖAV 1848 Austrian Society of Engineers and Architects / University of Applied Sciences - Technikum

Organizers: Drstvensek, Igor (Chair) / Katalinic Branko (Co-Chair) / Valentan, Bogdan / Brajlih, Tomaz / Tercék, Tomaz / Reinhardt, Andrea / Ficko, Mirko / Pogacar, Vojo / Dolinsek, Slavo


Editors: Drstvensek I.[gor] & Katalinic B.[ranko]

Published by: DAAAM International Vienna

2006

5th DAAAM International Conference on Advanced Technologies for Developing Countries, ATDC-2006

Founder and Chair: Katalinic B.

Date & Place: 28-30 June 2006, Rijeka, Croatia

Organized by: University of Rijeka, Faculty of Engineeering, DAAAM International Vienna

Organizers: Mikac T.[onci] (Chair), Car Z.[latan] (Co-chair), Barisic B.[ranimir], Cukor G.[oran], Ikonic M.[iljan], Pavletic D.[usko], Perinic M.[laden], Blazevic D.[alibor], Jurkovic Z.[oran]


Editors: Mikac T.[onci] & Katalinic B.[ranko]

Published by: University of Rijeka, Faculty of Engineering, DAAAM International Vienna

2005

4th DAAAM International Conference on Advanced Technologies for Developing Countries, ATDC-2005

Founder and Chair: Katalinic B.

Date & Place: September, 21-24th, 2005, Slavonski Brod, Croatia

Organized by: Faculty of Mechanical Engineering, Josip Juraj Strossmayer University of Osijek; DAAAM International Vienna

On the occasion of: 30th Anniversary of Josip Juraj Strossmayer University of Osijek

Organizers: Budic, Ivan (Chair); Kljain Milan (Co-Chair); Kozak, Drazen (Secretary); Katalinic, Branko (Chair of Program Committee), Raos, Pero; Saric, Tomislav; Stojic, Antun; Simunovic, Goran; Novoselovic, Daniel; Karakasic, Mirko


Editors: Kljain M.[ilan], Katalinic B.[ranko] & Budic I.[yan]

Published by: DAAAM International Vienna; Faculty of Mechanical Engineering Slavonski Brod Josip Juraj
<table>
<thead>
<tr>
<th>Year</th>
<th>Conference Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>2004</strong></td>
<td>3rd DAAAM International Conference on Advanced Technologies for Developing Countries, ATDC-2004</td>
</tr>
<tr>
<td><strong>Founder and Chair</strong></td>
<td>Katalinic B.</td>
</tr>
<tr>
<td><strong>Date &amp; Place</strong></td>
<td>June 23-26, 2004, Split, Croatia</td>
</tr>
<tr>
<td><strong>Organized by</strong></td>
<td>Faculty of Electrical Engineering, Mechanical Engineering and Naval Architecture, University of Split; DAAAM International Vienna</td>
</tr>
<tr>
<td><strong>Organizers</strong></td>
<td>Ivica Veža (Chairman); Željko Domazet (Co-Chairman); Branko Katalinic (Co-Chairman); Tonči Grubić (Secretary), et al.</td>
</tr>
<tr>
<td><strong>Proceedings</strong></td>
<td>ISBN 3-901509-41-0</td>
</tr>
<tr>
<td><strong>Editors</strong></td>
<td>Katalinic B.[ranko] &amp; Veza, l.[vica]</td>
</tr>
<tr>
<td><strong>Published by</strong></td>
<td>DAAAM International Vienna; Faculty of Electrical Engineering, Mechanical Engineering and Naval Architecture, University of Split;</td>
</tr>
<tr>
<td><strong>2003</strong></td>
<td>2nd DAAAM International Conference on Advanced Technologies for Developing Countries, ATDC-2003</td>
</tr>
<tr>
<td><strong>Founder and Chair</strong></td>
<td>Katalinic B.</td>
</tr>
<tr>
<td><strong>Date &amp; Place</strong></td>
<td>25-28th June 2003, Tuzla, Bosnia and Herzegovina</td>
</tr>
<tr>
<td><strong>Organized by</strong></td>
<td>Faculty of Mechanical Engineering, University of Tuzla; DAAAM International Vienna</td>
</tr>
<tr>
<td><strong>On the occasion of</strong></td>
<td>40th Anniversary of Mechanical Engineering Study in Tuzla</td>
</tr>
<tr>
<td><strong>Organizers</strong></td>
<td>Tufekcic, Dzemo (Chair); Katalinic, Branko (Co-Chairman); Widtmann, Georg (Co-Chairman); Topić, Alen (Secretary); Kapetanovic, Iruzdin; Alagic, Sandira; Alić, Izet; Buljubasic, Indira; Hadzic, Senija; Mehmedovic, Muhamed; Mujic, Elvedin; Nezirevic, Salahudin; Saric, Emir; Kapetanovic, Irena</td>
</tr>
<tr>
<td><strong>Proceedings</strong></td>
<td>ISBN 3-901509-35-6</td>
</tr>
<tr>
<td><strong>Editors</strong></td>
<td>Katalinic B.[ranko] &amp; Tufekcic, Dz.[emo]</td>
</tr>
<tr>
<td><strong>Published by</strong></td>
<td>DAAAM International Vienna; University of Tuzla - Faculty of Mechanical Engineering</td>
</tr>
<tr>
<td><strong>2002</strong></td>
<td>1st DAAAM International Conference on Advanced Technologies for Developing Countries, ATDC-2002</td>
</tr>
<tr>
<td><strong>Founder and Chair</strong></td>
<td>Katalinic B.</td>
</tr>
<tr>
<td><strong>Date &amp; Place</strong></td>
<td>12-14th September 2002, Slavonski Brod, Croatia</td>
</tr>
<tr>
<td><strong>Organized by</strong></td>
<td>Faculty of Mechanical Engineering, Strossmayer University of Osijek; DAAAM International Vienna</td>
</tr>
<tr>
<td><strong>On the occasion of</strong></td>
<td>40th Anniversary of Mechanical Engineering Study in Slavonski Brod</td>
</tr>
<tr>
<td><strong>Organizers</strong></td>
<td>Majdandzic, Niko (Chair), Kljajin M. (Co-Chair), Kozak D. (Secretary), Cicak M., Galeta T., Hnatko E., Ivandic Z., Lujic R., Maticevic G., Raos P., Stojic A., Saric T., Simunovic K., Simunovic G., Vujcic D.</td>
</tr>
<tr>
<td><strong>Published by</strong></td>
<td>DAAAM International Vienna; Strossmayer University of Osijek - Faculty of Mechanical Engineering; Grafika Osijek</td>
</tr>
<tr>
<td><strong>Editors</strong></td>
<td>Katalinic B.[ranko] &amp; Kljajin M.[ilan]</td>
</tr>
</tbody>
</table>
This workshop is based on the bilateral co-operation between two similar departments of the Faculties of Mechanical Engineering of the University of Zilina, Slovakia and Cracow University of Technology - CUT, Cracow, Poland. Those activities are supported by DAAAM National Organisations of Poland and Slovakia, and DAAAM International. In order to install this workshop as stable long-term regional platform for the CA Systems and Technologies fields it was decided to found:

Permanent Committee of Workshop:
Permanent Members:
I. Kuric (University of Zilina, Zilina, Slovakia),
B. Katalinic (Vienna University of Technology and DAAAM International, Vienna, Austria),
J. Duda (CUT, Cracow, Poland).

<table>
<thead>
<tr>
<th>Academic Year</th>
<th>Members</th>
<th>Institutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>2006/2007</td>
<td>B. Barisic, R. Cotetiu, L. Goldhahn, J. Marcinčin, H. Sjolander, P. Šugár, N. Ungureanu</td>
<td>University of Rijeka, Croatia, University of Baia Mare, Romania, FH Mittweida, Germany, TU Kosice, Slovakia, University of Kristianstad, Sweden, TU Zvolen, Slovakia, University of Baia Mare, Romania</td>
</tr>
<tr>
<td>2005/2006</td>
<td>R. Cotetiu, J. Marcinčin, J. Matuszek, S. Legutko, P. Šugár, N. Ungureanu</td>
<td>University of Baia Mare, Romania, TU Kosice, Slovakia, University of Bielsko Biala, Poland, PUT Poznan, Poland, TU Zvolen, Slovakia, University of Baia Mare, Romania</td>
</tr>
<tr>
<td>2004/2005</td>
<td>L. Goldhahn, J. Madl, J. Marcinčin, E. Pay, D. Plinta, G. Varga</td>
<td>FH Mittweida, Germany, CVUT Prague, Czech Republic, TU Kosice, Slovakia, University of Baia Mare, Romania, University of Bielsko Biala, Poland, University of Miskolc, Hungary</td>
</tr>
<tr>
<td>1999/2000</td>
<td>S. Legutko, J. Marcinčin, I. Neaga</td>
<td>PUT Poznan, Poland, TU Kosice, Slovakia, TU Iasi, Romania</td>
</tr>
</tbody>
</table>
The main aim of the Permanent Committee is to prepare the DAAAM International workshops oriented on CA systems and technologies and propagate all accompanying activities during academic year (projects, WEB journal, common publications, PhD seminars, exchange of students and lectures, etc.). The list of workshops organised during the past:

<table>
<thead>
<tr>
<th>Year</th>
<th>Workshop Title</th>
<th>Date &amp; Place</th>
<th>Organized by</th>
<th>Organisers</th>
<th>Proceedings</th>
<th>Editors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year</td>
<td>Event Details</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>------</td>
<td>--------------</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1997</td>
<td>2nd International DAAAM Workshop &quot;CA Systems and Technologies&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Date &amp; Place: 19th March 1997, Zilina, Slovakia</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Organized by: University of Zilina, Faculty of Mechanical Engineering, DAAAM International Vienna; DAAAM Slovakia</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Organizer: Cubanova N., Janae A., Kurić I., Micića B., Wessely E.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Editor: Kurić I.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

19.0 DAAAM INTERNATIONAL WORKSHOPS "INTELLIGENT MANUFACTURING SYSTEMS"

Founder and chair of DAAAM International workshop on Intelligent Manufacturing Systems is Professor Emil Wessely, Technical University of Kosice.

<table>
<thead>
<tr>
<th>Year</th>
<th>Event Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>2002</td>
<td>4th DAAAM Workshop &quot;Human Factor and Environmentalist&quot;</td>
</tr>
<tr>
<td></td>
<td>Date &amp; Place: 5th December 2002, Kosice, Slovakia</td>
</tr>
<tr>
<td></td>
<td>Organized by: Department of Environmental Studies and Operations Management of Mechanical Engineering Faculty of Technical University of Kosice, DAAAM International Vienna</td>
</tr>
<tr>
<td></td>
<td>Organized in cooperation with: Slovak Technical Museum of Kosice, Oesterreichische Sud-Ost Institut - Vienna</td>
</tr>
<tr>
<td></td>
<td>Supported by: Action Austria - Slovakia</td>
</tr>
<tr>
<td></td>
<td>Editors: Katalinic B., Wessely E.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year</th>
<th>Event Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>2001</td>
<td>3rd DAAAM Workshop &quot;Intelligent Manufacturing Systems&quot;</td>
</tr>
<tr>
<td></td>
<td>Date &amp; Place: 29 November 2001, Kosice, Slovakia</td>
</tr>
<tr>
<td></td>
<td>Organized by: Technical University of Kosice, DAAAM International Vienna, DAAAM Slovakia</td>
</tr>
<tr>
<td></td>
<td>Organized in cooperation with: Action Austria-Slovakia, Faculty of Mechanical Engineering - Technical University of Kosice, Slovak Community for System Integration, Slovak Mechanical Engineering Association</td>
</tr>
<tr>
<td></td>
<td>Organisers: Wessely E.(Chair), Badida M., Seminsky J., Evin E., Ljoljic B., Kordic V., Pecha C., Rovnak M., Taticek F.</td>
</tr>
<tr>
<td></td>
<td>Supported by: Action Austria - Slovakia</td>
</tr>
<tr>
<td></td>
<td>Editors: Katalinic B., Wessely E.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year</th>
<th>Event Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000</td>
<td>2nd DAAAM Workshop &quot;Intelligent Manufacturing Systems&quot;</td>
</tr>
<tr>
<td></td>
<td>Date &amp; Place: 30 November 2000, Kosice, Slovakia</td>
</tr>
<tr>
<td></td>
<td>Organized by: Technical University of Kosice, DAAAM International Vienna, DAAAM Slovakia</td>
</tr>
<tr>
<td></td>
<td>Organized in cooperation with: Action Austria-Slovakia, Faculty of Mechanical Engineering - Technical University of Kosice, Slovak Committee for Management - ZVTS Bratislava, Slovak Mechanical Engineering Association</td>
</tr>
<tr>
<td></td>
<td>Organizer: Wessely E.(Chair), Seminsky J., Badida M., Evin E., Paralic J., Knoflicek R., Hradocky L., Bosak M., Kozak L., Vargova J.</td>
</tr>
<tr>
<td></td>
<td>Supported by: Action Austria - Slovakia</td>
</tr>
<tr>
<td></td>
<td>Editors: Katalinic B., Wessely E.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year</th>
<th>Event Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>1997</td>
<td>1st DAAAM Workshop &quot;Intelligent Manufacturing Systems&quot;</td>
</tr>
<tr>
<td></td>
<td>Date &amp; Place: 28th November 1997, Kosice, Slovakia</td>
</tr>
<tr>
<td></td>
<td>Organized by: Technical University of Kosice, DAAAM International Vienna, DAAAM Slovakia</td>
</tr>
<tr>
<td></td>
<td>Organized in cooperation with: Action Austria-Slovakia, Faculty of Mechanical Engineering - Technical University of Kosice, Slovak Committee for Management - ZVTS Bratislava, Slovak Mechanical Engineering Association</td>
</tr>
<tr>
<td></td>
<td>Organisers: Wessely E. (Chair), Seminsky J., Evin E., Kovacik J.</td>
</tr>
<tr>
<td></td>
<td>Proceedings: ISBN 3-901509-09-7</td>
</tr>
<tr>
<td></td>
<td>Editor: Seminsky J.[arooslav]</td>
</tr>
</tbody>
</table>
### 20.0 DAAAM INTERNATIONAL WORKSHOPS

As an extension of the Symposia, International Workshops focussing on key issues are arranged. A number of these are detailed below.

<table>
<thead>
<tr>
<th>Year</th>
<th>Title</th>
<th>Date &amp; Place</th>
<th>Organized by</th>
<th>ISBN</th>
<th>Proceedings</th>
<th>Organizer</th>
</tr>
</thead>
<tbody>
<tr>
<td>1994</td>
<td>1st International DAAAM Workshop &quot;Automatic Identification in Theory and Praxis“,</td>
<td>28th April 1994, Vienna University of Technology, Vienna, Austria</td>
<td>DAAAM International Vienna; DATALOGIC; Vienna University of Technology, Department of Production Engineering, IFT-IMS</td>
<td></td>
<td>Bruck P., Katalinic B., Lerch Z.</td>
<td></td>
</tr>
</tbody>
</table>

### 21.0 INTERNATIONAL CONFERENCES ORGANIZED IN COOPERATION WITH DAAAM INTERNATIONAL AND/OR DAAAM NATIONAL

<table>
<thead>
<tr>
<th>Year</th>
<th>Title</th>
<th>Date &amp; Place</th>
<th>Organized by</th>
<th>Under the auspices of</th>
<th>In cooperation with</th>
<th>Organizers</th>
<th>Proceedings</th>
<th>Editors</th>
<th>Published by</th>
</tr>
</thead>
<tbody>
<tr>
<td>2006</td>
<td>3rd International Textile Clothing &amp; Design Conference, ITC&amp;DC 2006</td>
<td>8-11th October 2006, Dubrovnik, Croatia</td>
<td>Faculty of Textile Technology, University of Zagreb</td>
<td>Croatian Ministry of Science, Education and Sport; University of Zagreb; Croatian Ministry of Economy, Labour and Entrepreneurship; Croatian Chamber of Economy</td>
<td></td>
<td>Dragcevic Z. (Chair), Vuljanic N. (Co-Chair), Bobovcan M., Bogovic S., Geratovic I., Hursa A., Jandric Dj., Martek M., Matusic K., Mauser B., Petrunic I., Vujasinovic E.</td>
<td>953-7105-12-1</td>
<td>Dragcevic, Z.[vonko]</td>
<td>Faculty of Textile Technology, University of Zagreb</td>
</tr>
<tr>
<td>2006</td>
<td>11th International FMTÜ Conference for Young Researchers: Focus on IMS and Environmentally friendly technologies</td>
<td>24-25 March 2006, Cluj-Napoca, Romania</td>
<td>Technical Section of Transylvanian Museum Society (EME)</td>
<td>DAAAM International Vienna</td>
<td></td>
<td></td>
<td></td>
<td>Dragevic, Z.[vonko]</td>
<td>Faculty of Textile Technology, University of Zagreb</td>
</tr>
<tr>
<td>Year</td>
<td>Conference/Workshop</td>
<td>Date &amp; Place</td>
<td>Organized by</td>
<td>Under Auspices of</td>
<td>Proceedings</td>
<td>Editors</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>------</td>
<td>---------------------</td>
<td>-------------</td>
<td>-------------</td>
<td>------------------</td>
<td>------------</td>
<td>---------</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2004</td>
<td>The 5th International Workshop on Emergent Synthesis</td>
<td>May 24-25, 2004, Budapest, Hungary</td>
<td>Computer and Automation Research Institute, Hungarian Academy of Sciences</td>
<td>L. Monostori, B. Katalinic, K. Ueda</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2003</td>
<td>The 1st European-Pacific Congress Globalization: Interaction of Economies, Cultures, Technologies, and Nature.</td>
<td>23-26th September, 2003, Vladivostok, Russia</td>
<td>Association &quot;International Assembly of Capitals and Cities&quot;; DAAAM International Vienna; Far Eastern State Technical University; Far Eastern National University; Maritime State University; International Engineering Academy Primorsk Chamber of Commerce &amp; Industry; Far Eastern Branch of the Russian Academy of Sciences; Russian PEN Center; Vladivostok City Administration; Vladivostok Program Committee; Vladivostok State University of Economics</td>
<td>Yu.M. Kopylov (Chairman); (Co-Chairman); G.S. Vishnyakova (Co-Chairman); I.V. Abroskin (Co-Chairman); Branko Katalinic (Co-Chairman); M.M. Sokolov, (Co-Chairman); A.A. Akhonin (Coordinator); R.G. Kazmiruk (Secretary)</td>
<td>in Print</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2002</td>
<td>1st International Textile Clothing &amp; Design Conference, ITC&amp;DC</td>
<td>6-9th October 2002, Dubrovnik, Croatia</td>
<td>Faculty of Textile Technology, University of Zagreb</td>
<td>DAAAM International Vienna; Association of Universities for Textile, Ghent, Belgium; The Textile Institute, Manchester, Great Britain; International Textile Academia; University of Zagreb; Croatian Academy of Engineering</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
On the occasion of 40th Anniversary of University Education and Scientific Research in the Field of Textiles and Textile Technology in Croatia

Organizers Dragcevic Z. (Chair), Vuljanic N. (Co-Chair), Grundler D., Hursa A., Krmpotic N., Rolich T., Rogale D., Vujasinovic E.

Proceedings
Editors Dragecivic Z. [vonko]
Published by Faculty of Textile Technology, University of Zagreb

2002 8th International Conference on Soft Computing: MENDEL 2002
Date & Place 5-7th June 2001, Brno, Czech Republic
Organized by Brno University of Technology, Faculty of Mechanical Engineering, Institute of Automation and Computer Science; DAAAM International Vienna, Austria; Foundation for Advanced Information Technology GENOPS, Ltd

Organizers Osmera P., Šeda M., Dvořák J., Roupec J., Matousek R.

2001 5th International Conference Modern Technologies in Manufacturing MTeM 2001:
Date & Place 4-6th October 2001, Cluj-Napoca, Romania
Organized by Technical University of Cluj Napoca, Faculty of Machine Building, DAAAM International Vienna, S.C. Fortpres Cluj-Napoca, S.C. Plastor Oradea, AGIR- General Association of Engineers from Romania

Organizers Gyenge C. (Chair) et all.
Proceedings ISBN 973-85354-1-7

2001 7th International Conference Maintenance 2001
Date & Place 25-26th June 2001, Opatija, Croatia
Organized by Croatian Maintenance Society

Organizers Ivančić I., Cala I., et al.

2001 7th International Conference on Soft Computing: MENDEL 2001:
Date & Place 6–8th June 2001, Brno, Czech Republic
Organized by Brno University of Technology, Faculty of Mechanical Engineering, Institute of Automation and Computer Science; DAAAM International Vienna, Austria; Foundation for Advanced Information Technology GENOPS, Ltd

Organizers Osmera P., Šeda M., Dvořák J., Roupec J., Matousek R.

2000 6th International Conference Maintenance 2000
Date & Place 19-20th June 2000, Opatija, Croatia
Organized by Croatian Maintenance Society

Organizers Ivančić I., Cala I., et al.

2000 5th International Conference on Soft Computing: MENDEL 2000:
Date & Place 7-9th June 2000, Brno, Czech Republic
Organized by Brno University of Technology, Faculty of Mechanical Engineering, Institute of Automation and Computer Science; DAAAM International, Vienna, Austria; Foundation for Advanced Information Technology GENOPS, Ltd

Organizers Osmera P., Šeda M., Dvořák J.

2000 2nd International Conference on Industrial Engineering – Activities Targeted to SME
Date & Place 27 - 29th April 2000, Tallinn Technical University, Estonia
Organized by Tallinn Technical University - Department of Machinery, DAAAM Estonia, DAAAM
XXIX

Under the auspices of
DAAAM International Vienna
In cooperation with
Baltic Rector's Council; Association of Estonian; Mechanical Engineers, Federation of
Estonian Engineering Industries

Organizers
Kyttner R. (chair) Katalinic B., Kulu P., Papstel J., Reedik V., Riives J.

Proceedings
ISBN 9985-894-21-9

Editors
J. Papstel / Katalinic B.

1999
District Heating Control ´99 – Control of Extensive Heating Systems

Date & Place
26-27th October 1999, Zlin, Czech Republic

Organized by
Brno University of Technology, Faculty of Technology in Zlin; Czech Power Plants – Ltd.;
Association for District Heating of Czech Republic; EUROHEAT & Power, Unichal –
Brussels; DAAAM International, Vienna, Austria; DAAAM - Czech Republic

Organizers
Balate J., Vasek V., Vachutova I., Sysala T.

Proceedings

1999
5th International Conference on Soft Computing: MENDEL ´99: Evolutionary
Computation, Genetic Programming, Fuzzy Logic, Rough Sets, Neural Networks, Fractals

Date & Place
9-12th June 1999, Brno, Czech Republic

Organized by
Technical University Brno, Faculty of Mechanical Engineering, Institute of Automation and
Computer Science; DAAAM International, Vienna, Austria; Foundation for Advanced
Information Technology GENOPS, Ltd

Organizers
Ošmera P., Šeda M., Dvořák J.

Proceedings
ISBN 80-214-1131-7

1999
5th International Conference Maintenance 99

Date & Place
7- 8th June 1999, Opatija, Croatia

Organized by
Croatian Maintenance Society

In cooperation with
DAAAM International Vienna,
EFNMS - European Federation of National Maintenance Societies

Organizers
Ivančić I., Poljak K., Ugarković Ž., Frković D., Podgorčić D., Madžarević P., Kuzmanić A.
Kudelić, R.

Proceedings
ISBN 953-97615-1-4

Editors
Ivančić I., Čala I.

1999
XXIVth Seminary ASR 2000: Instruments and Control

Date & Place
28th April 1999, Ostrava, Czech Republic

Organized by
VŠB - Technical University Ostrava, Faculty of Mechanical Engineering, Institute of
Automation Equipment and Control; DAAAM National - Czech Republic, Zlín, Czech
Republic; IMECO - Czech National Committee; Committee of Applied Cybernetics and
Information Technology Ostrava

Organizers
Farana R., Smutny J., Szlachta D., Fojtík D., Piechota H.

Proceedings
ISBN 80-7078-774-0

Editors
Farana R., Smutny J., Szlachta D., Fojtík D., Piechota H.

1999
XXIIth Seminary ASR ´99 : Computers on Measurements, Diagnostics and Control

Date & Place
22nd May 1999, Ostrava, Czech Republic

Organized by
VŠB - Technical University Ostrava, Faculty of Mechanical Engineering, Institute of
Automation Equipment and Control; DAAAM National - Czech Republic, Zlín, Czech
Republic; IMECO - Czech National Committee

Organizers
Smutný L., Farana R., Víteček A., Baláte J.

Proceedings
ISBN 80-7078-666-3

1998

Date & Place
19 - 20th May 1998, Zlin, Czech Republic

Organized by
Technical University Brno, Faculty of Technology in Zlin; Czech Power Company, Ltd.-
CEZ, a.s.; Association for District Heating, Czech Republic; STU Bratislava, Faculty of
Electrical Engineering and Information Technology; Slovak Power Plants, Ltd. - SE, a.s.,
Bratislava; DAAAM International Vienna, Austria; DAAAM National - Czech Republic

Organizer
Balate J., Vasek V., Sysala T. & Co.

Proceedings
ISBN 80-214-1094-9

Editor
Balate J., Sysala T.

1998
4th International Mendel Conference: MENDEL ´98 on Genetic Algorithms, Optimization
Problems, Fuzzy Logic, Neural Networks, Rough Sets

Date & Place
24 - 26th June 1998, Brno, Czech Republic

Organized by
Technical University Brno, Faculty of Mechanical Engineering, Institute of Automation and
Information Technology; DAAAM International, Vienna, Austria; Foundation for Advanced
Information Technology GENOPFS, Ltd.

Organizer
Ošmera P., Seda M., Simonik I.
<table>
<thead>
<tr>
<th>Year</th>
<th>Conference Title</th>
<th>Date &amp; Place</th>
<th>Organized by</th>
<th>Organizer</th>
<th>Proceedings</th>
<th>Editor</th>
</tr>
</thead>
<tbody>
<tr>
<td>1998</td>
<td>9th International Conference on Information and Intelligent Systems IIS'98</td>
<td>23-25th September 1998, University of Zagreb, Faculty of Organization and Informatics Varazdin, Croatia</td>
<td>University of Zagreb, Faculty of Organization and Informatics Varazdin &amp; DAAAM International Vienna</td>
<td>Aurer B., Katalinic B., Kero K., et. al.</td>
<td>UDC: 007.681.3:651(082)</td>
<td></td>
</tr>
<tr>
<td>1998</td>
<td>3rd National DAAAM Conference &quot;Science '98&quot;</td>
<td>80 Years of Tallinn Technical University</td>
<td>University of Tallinn Technical University, Estonia</td>
<td>Papstel J.</td>
<td>ISBN 9985-894-02-2</td>
<td></td>
</tr>
<tr>
<td>1997</td>
<td>2nd International Conference &quot;Enterprise in Transition&quot;</td>
<td>1700 Years of the City of Split</td>
<td>University of Split, Faculty of Economics, Split, Croatia; DAAAM International Vienna</td>
<td>Alfirevic N., Buble M., Derado D., Goic S., Katalinic B., Mijacica D., Pavic I. (Chair), Reic Z. (Secretary)</td>
<td>ISBN 953-6024-14-4</td>
<td></td>
</tr>
<tr>
<td>1997</td>
<td>3rd International Mendel Conference on Genetic Algorithms MENDEL '97</td>
<td>25-27th June 1997, Brno, Czech Republic</td>
<td>Technical University of Brno, Faculty of Mechanical Engineering, Institute of Automation and Computer Science; DAAAM International Vienna; Foundation Advanced Information Technology; GENOPS, Ltd.</td>
<td>Osmera P., Seda M., Simonik I.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

DAAAM INTERNATIONAL VIENNA 2007
2003/2004 Name:  Intelligent Manufacturing and Automation
Project Partner 03/04:  Institute of Production Engineering, Vienna University of Technology, Vienna, Austria / Department of Manufacturing Engineering, Budapest University of Technology and Economics, Budapest, Hungary / Department of Manufacturing Engineering, Technical University of Cluj-Napoca, Cluj-Napoca, Romania / Department of Technology, Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb, Zagreb, Croatia / Department of Technological Devices and Systems, Faculty of Material Science and Technology Trnava, Slovak University of Technology Bratislava, Trnava, Slovakia / Institute of Production Engineering, University of Maribor, Maribor, Slovenia / Department of Environmental Studies and Process Control, Technical University of Kosice, Kosice, Slovakia / Department of Machine Technology, The Silesian University of Technology, Gliwice, Poland / Department of Production Engineering, Faculty of Engineering, University of Rijeka, Rijeka, Croatia / Institute of Mechanical Technology, Poznan University of Technology, Poznan, Poland
Organizer 03/04:  Branko Katalinic, Alpek F., Balic J., Gyenge C., Kosmol J., Legutko S., Mikac T., Velisek K., Wessely E., Udiljak T.

2002/2003 Name:  Intelligent Manufacturing and Automation
Project Partner 02/03:  Institute of Production Engineering, Vienna University of Technology, Vienna, Austria / Department of Manufacturing Engineering, Budapest University of Technology and Economics, Budapest, Hungary / Department of Manufacturing Engineering, Technical University of Ostrava TU-VSB, KAKI Ostrava, DAAAM Czech Republic, IMECO Czech Republic
Organizer 02/03:  Smutny L., Farana R., Vitecek A.
XXXII

University of Cluj-Napoca, Cluj-Napoca, Romania / Department of Technology, Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb, Zagreb, Croatia / Department of Technological Devices and Systems, Faculty of Material Science and Technology Trnava, Slovak University of Technology Bratislava, Trnava, Slovakia / Institute of Production Engineering, University of Maribor, Maribor, Slovenia / Department of Environmental Studies and Process Control, Technical University of Kosice, Kosice, Slovakia / Department of Machine Technology, The Silesian University of Technology, Gliwice, Poland / Department of Production Engineering, Faculty of Engineering, University of Rijeka, Rijeka, Croatia / Department of Industrial Robotics, University of Applied Sciences - Fachhochschule Technikum - Wien, Vienna, Austria / Institute of Mechanical Technology, Poznan University of Technology, Poznan, Poland

Organizer 02/03

Katalinic B.[ranko], Alpek F.[erenc], Balic J.[oze], Gyenge C.[saba], Kosmol J.[jan], Legutko S.[tanislaw], Mikac T.[onci], Stopper M.[arkus], Velisek K.[arol], Wessely E.[mil], Udiljak T.[oma]

2001/2002 Name: Assembly Automation in Manufacturing Engineering
Project Partner 01/02 Vienna University of Technology, Budapest University of Technology and Economics, Silesian University of Technology, Slovak Technical University Bratislava / Trnava, Technical University Cluj-Napoca, Technical University of Kosice, University of Maribor, University of Zagreb

Organizer 01/02

Katalinic B., Alpek F., Kosmol J., Velisek K., Gyenge C., Wessely E., Balic, J., Jerbic B.,

2000/2001 Name: Assembly Automation in Manufacturing Engineering
Project Partner 00/01 Vienna University of Technology, Slovak Technical University Bratislava / Trnava, Technical University Cluj-Napoca, Technical University of Budapest, Technical University of Kosice, University of Maribor, University of Zagreb

Organizer 00/01

Katalinic B., Velisek K., Gyenge C., Alpek F., Wessely E., Balic, J., Jerbic B.

1999/2000 Name: Assembly Automation in Manufacturing Engineering
Project Partner 99/00 Vienna University of Technology, Slovak Technical University Bratislava / Trnava, Technical University Cluj-Napoca, Technical University of Budapest, University of Maribor, University of Zagreb

Organizer 99/00

Katalinic B., Velisek K., Gyenge C., Alpek F., Trzan F., Jerbic B.

DAAAM – CEEPUS Joint European Annual Projects which finished

Project Code: RO-01
Project Duration: 2002/2003
Project Coordinator: Csaba Gyenge, Technical University of Cluj-Napoca

Project Partner Department of Manufacturing Engineering / Technical University of Kosice, Department of Manufacturing Systems / University of Maribor, Faculty of Mechanical Engineering, Institute for Production Engineering / Poznan University of Technology, Faculty of Mechanical Engineering, Institute of Mechanical Technology / Kecskemet College, Faculty of Technology

Project Code: PL-1
Project Duration: 1999-2002
Project Coordinator: Stanislaw Adamczak - Technical University of Kielce

Project Partner Technical University of Kielce, Vienna University of Technology, University of Zilina, Faculty of Mechanical Engineering of The Technical University of Kosice, Faculty of Production Technologies of The Technical University of Kosice in Presov, University of Maribor, Technical University of Ostrava, University of Zagreb, Technical University of Bratislava, Technical University of Prague, Technical University of Brno


Project Partner Technical University of Kielce, Vienna University of Technology, University of Zilina, Technical University of Kosice, University of Maribor, Technical University of Ostrava, University of Zagreb, Technical University of Bratislava, Technical University of Prague, Technical University of Brno


Project Partner: Technical University of Kielce, Vienna University of Technology, University of Zilina, Technical University of Kosice, University of Maribor, Technical University of Ostrava, University of Zagreb, Technical University of Bratislava, Technical University of Prague, Technical University of Brno


Project Code: RO-01
Project Duration: 1998/1999
Project Coordinator: Csaba Gyenge, Technical University of Cluj-Napoca

1998/1999 Name: Development and Application of Environment-Friendly Technologies in Manufacturing Engineering

Project Partner: Technical University of Cluj-Napoca, Technical University of Budapest, University of Maribor, Technical University of Kosice, Technical University of Bucharest

Organizer: Gyenge C., Alpek F., Balic J., Anna V., Iatan F.

Project Code: PL-1
Project Duration: 1998/1999
Project Coordinator: Stanislaw Adamczak - Technical University of Kielce

1998/1999 Name: Metrology in Quality Assurance Systems

Project Partner: Technical University of Kielce, Vienna University of Technology, University of Zilina, Technical University of Kosice, University of Maribor, Technical University of Ostrava, University of Zagreb

Organizer: Adamczak S., Osanna P. H., Obmascik M., Wessely E., Cus F., Vrba V., Mahovic S.

Project Code: H-78
Project Duration: 1998/1999
Project Coordinator: Alpek, F.


Project Partner: Technical University of Budapest, Vienna University of Technology, Cracow Institute of Technology, Slovak Technical University Bratislava, University of Maribor

Organizer: Alpek F., Osanna H. P., Sostar A., Gawlik J., Kralik, M.

23.0 DAAAM INTERNATIONAL BOOKS

The DAAAM International initiated publishing of books in the field of advanced manufacturing and automation. There are three series: "Manufacturing technology", "DAAAM International University Book" and "Management Sciences". Till now the following books are published:

DAAAM Publishing series - Manufacturing technology:


DAAAM Publishing series - University Book:


DAAAM Publishing Series – Management Science:


DAAAM International Scientific Book


Book published under the auspices of DAAAM International


Several other book projects are in process, if you want to join one of them or propose to write a new book please contact the Editor.
24.0 INTERNATIONAL JOURNAL OF SIMULATION MODELLING

Title | International Journal of Simulation Modelling
Abbreviated key title | IJSIMM Int. j. simul. model.
ISSN | ISSN 1726-4529
Editors | B.[orut] Buchmeister (Editor-In-Chief); B.[ranko] Katalinic (Editor)
Founded | 2002
Published | Quarterly by DAAAM International Vienna
Citation and reference | Article published in Journal are crossreferenced and online available on Internet. Additionali they are cited and referenced in the: Inspec Database and Cambridge Scientific Abstracts

25.0 20 YEARS DAAAM INTERNATIONAL 1990-2010 PROJECT

Aims: The main aims for future development of our organisation are to increase meaning, importance, quality, relevance and prestige of DAAAM International Network and members in international academic and scientific community. To achieve those aims it is necessary to improve quality and quantity of existing activities and to organize new creative future oriented activities using enormous potential of knowledge, abilities, prestige, relevance and creativity of our members.

Who: Each person in DAAAM International community is welcome to give his/her own contribution to achieving defined aims and can be responsible for one initiative or activity on the level of DAAAM International.

Focus: Focused on upper aims and the fact that we are going soon to celebrate first 20 years of our organisation we are starting an open platform under the name "20 Years of DAAAM International Project". The project is open platform the main parts and topics of the project are:

• To complete and publish Cumulative Bibliography of DAAAM International including all publications: proceedings of DAAAM Symposiums; proceedings of DAAAM Workshops; proceedings of ATDC conferences; DAAAM International Scientific Books; International Journal on Simulation Modelling; Books.
• Founding and organisation of web DAAAM International Archive
• Founding and organisation of web DAAAM International Photo Gallery
• Completing and publishing exclusive monograph "20 Years of DAAAM International"
• Founding, completing and publishing "Who is who in DAAAM International" (Founding members, members of committees since 1990, authors, honours, awards, personal contributions, …)
• improve quality and quantity of existing activities of DAAAM
• to motivate old and animate new people to take a part in our activities
• better use of human resources
• including of younger researchers in our activities
• sponsoring and partnerships
• to increase dissemination of information about our activities
• use of synergies of DAAAM Network in science, research, education and international scientific and academic cooperation
• awards and recognition for DAAAM International on the occasion of celebrating of anniversary of your institution
• to increase quality of our publications
• increase citing and indexing of our publications
• publishing of journals, monographs and student books
• international scientific and academic cooperation with joint application for co-operation of institutions and mobility of teachers and students
• cooperation in industrial and research projects
• DAAAM International certifications of Labs
• Marketing
• DAAAM International Experts data bank
• Cyber space and DAAAM
• Spectrum of Activities to celebrate 20 Years of DAAAM International in 2009
• and many of your ideas
Call for cooperation: Please think about your wishes, possibilities, and field of interest and propose me one to three initiatives you or your team want to start, organize, manage and be responsible in the frame of DAAAM International. I will pick out of your proposal one initiative which is at the moment the most important from the point of view of DAAAM International. I will give you additional information and suggestions to support your initiative and make it relevant and usable for DAAAM International and synchronised with other activities.

Contact: I am looking forward to see soon your ideas, creativity and initiatives. Please be free to contact me at president@daaam.com I will be happy to hear from you.

26.0 DAAAM - INTERNET & CONTACT ADDRESS

Additional information about DAAAM activities you can obtain from DAAAM homepage: http://www.daaam.com and http://www.daaam.org If you are interested to take a part in DAAAM activities please contact:

PROF. DR. BRANKO KATALINIC, DAAAM INTERNATIONAL PRESIDENT,
TU-WIEN, KARLSPLATZ 13/311, A-1040 WIEN, AUSTRIA, EUROPE
Phone: 0043 1 58801 31121, Fax# 0043 1 58801 31199,
E-mails: president@daaam.com, katalinic@mail.ift.tuwien.ac.at