

all the users the opportunity to be both the source and the end point of information, thus enabling the elimination of time and space as barriers in communication. Omnipresence and availability of Internet have long overcome its limitations as a strictly professional and scientific medium. Nowadays, the internet has become a new *Forum Romanum*, the place where social, political, business as well as cultural life take place. Due to progress in technology, human privacy and intimacy is exposed on this virtual *Forum*. Therefore, the Internet is truly a place where all the good and the bad things man does are exposed to the public eye and judgment.

The human person and the human community are the object and the measure of social communication, so it is necessary to evaluate this medium not only by its technical potential or financial effect, but by the ethical values as well. In this paper the author deals with some ethical areas of concern by analyzing the phenomena related to the possibilities the Internet gives, the ways of using it and the types of information published on it.

*Key words:* ethics, Internet, social communication

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## ETHICS IN GEODESY

### *Abstract*

The paper first discusses the issue of existence of ethical codes in the geodetic profession in Croatia. Although there is the *Croatian Geodetic Society*, it does not have a code of ethics. There is the *Code of Professional Ethics of Croatian Architects and Engineers in Civil Engineering* created in 1998, which is valid for geodesists who are members of the *Croatian Chamber of Architects and Engineers in Civil Engineering*. The Faculty of Geodesy is a part of the University of Zagreb, but the University does not have its ethical code yet. According to the *High Education Law*, the Croatian parliament was supposed to nominate the *Committee for Ethics in Science and High Education*, but as far as the authors know, such a committee has not been established yet. We also have not found a code of conduct of officials in public or state service in Croatia.

Furthermore, the paper considers the ethical codes for geodesists in other countries, such as e.g. Australia, USA and Slovenia, and in professional societies (*Fédération Européenne d'Associations Nationales d'Ingénieurs Européen* –

FEANI, *International Federation of Surveyors* – FIG, *American Society for Photogrammetry and Remote Sensing* – ASPRS). The example of research of ethics in public services in countries members of the European Union shows an increase in interest for that subject.

Finally, the paper describes in details the Code of Ethics of FIG. The authors recommend its adoption in Croatia.

**Key words:** *ethics, geodesy, surveying, Croatia*

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## ETHICAL VERTICAL OF THE APPLICATION OF FUEL CELLS IN ENERGY CONVERSION

### *Abstract*

By directly converting chemical energy into electrical, with the aids of fuel cells, environment pollution with toxic nusproduct of incineration is avoided in whole. Except of avoiding the toxic effect on environment, fuel cells have much higher efficiency, what corresponds to extra quality of ethical vertical. It is already built and in use in power units of couple of MW, which allows the distributed production of electrical energy directly to the consumer.

In the past approximately 15 years, major world's car industries invested huge assets in exploration of application of fuel cells in electromobile's drive engine, and thus already critical pollution of urban centres by exhaust gasses of classic engine vehicles would be avoided.

It might be concluded that we are on the doorstep of a new and, from the ecological point of view, a clean era in energy conversion. It may be expected that with time this technology would overcome technological and economical problems in amount high enough that its key ecological advantages would greatly influence decision of replacing old, ecologically toxic technology with new, ecologically clean fuel cells technology.

*Key words:* ethics in technics, fuel cells, energy conversion, ecology, electromobile