

---

## Editorial

---

### Kalin L. Dimitrov

Department of Radio Communications and Video Technologies,  
Faculty of Telecommunications,  
Technical University of Sofia,  
Sofia 1000, Bulgaria  
E-mail: kld@tu-sofia.bg

**Biographical notes:** Kalin L. Dimitrov received his MSc and PhD degrees from the Technical University of Sofia, Bulgaria, in 2000 and 2005 respectively. He was promoted to Associate Professor in 2010. He is the Vice Dean of the Faculty of Telecommunications from 2011. His research interests include optical communications, radiometry and telemedicine. He has published over 50 scientific papers in scientific journals and conference proceedings. He is a member of the Bulgarian Union of Electronics, Electrical Engineering and Telecommunications (CEECE) of EUREL.

---

This special issue (part 1) of the *International Journal of Reasoning-based Intelligent Systems (IJRIS)* consists of 11 selected papers from ICEST 2012 – Information, Communication and Energy Systems and Technologies.

ICEST was organised by Faculty of Telecommunications at the Technical University of Sofia, Technical Faculty at University ‘St. Kliment Ohridski’, Bitola and Faculty of Electronics at the University of Nish. For several years, there has been participation of Faculty of Mathematics and Informatics at the ‘St. Cyril and St. Methodius’ University of Veliko Tarnovo.

Recently, every year we have had more than 150 contributors from Europe, US, and Asia. The submissions are evaluated by reviewers from all over the world.

The theory in the field of communications is developing and leading to the respective development of different applications. These developments are relatively quick and that is why it is necessary that scientists meet and exchange knowledge and ideas. Very often the personal contact and

the possibility for discussions turn out to be good practices. The ICEST conference aims to be such a forum where papers related to information and communication technologies are reported and published. At ICEST are also reported papers related to energy systems. *IJRIS* is a journal which traditionally publishes papers closely related to the subject of the conference. This is not the first time that ICEST and *IJRIS* have worked together.

Here, we present selected papers from the field of communication technologies. The choice of these papers was not easy. Initially, it was made through discussions at the conference proper. Then, the papers were seriously modified, expanded and reviewed again. Eventually, in this issue are presented papers related to telecommunications and technologies, which we hope will be useful for the readers of *IJRIS*.

Finally, we would like to thank Professor Kazumi Nakamatsu for publishing this special issue of *IJRIS* and for his valuable and continuous support to ICEST.