

## CALL FOR PAPERS

### Special Issue on Cognitive Infocommunications

CogInfoCom is a new interdisciplinary field of science defined as follows: Cognitive infocommunications (CogInfoCom) investigates the link between the research areas of infocommunications and cognitive sciences, as well as the various engineering applications which have emerged as the synergic combination of these sciences. The primary goal of CogInfoCom is to provide a systematic view of how cognitive processes can co-evolve with infocommunications devices so that the capabilities of the human brain may not only be extended through these devices, irrespective of geographical distance, but may also interact with the capabilities of any artificially cognitive system. This merging and extension of cognitive capabilities is targeted towards engineering applications in which artificial and/or natural cognitive systems are enabled to work together more effectively.

For more information on CogInfoCom please visit its home-site at [www.coginfocom.hu](http://www.coginfocom.hu)

Contributions are expected from the following areas:

- 3D visualization and interaction
- Augmented cognition (AugCog)
- Brain-computer interface
- Cognitive informatics and media
- Cognitive robotics, etho-robotics
- Ethology-inspired engineering
- Human-computer and Human-robot interaction, interaction capabilities of CogInfoCom systems
- Interactive systems engineering
- Media Informatics
- Real and virtual avatars
- Social networks
- Vehicle informatics
- Virtual Reality Technologies and Scientific
- Affective computing
- Body area network
- Cognitive control
- Cognitive linguistics
- Cognitive science
- Future internet
- iSpace research
- Multimodal interaction
- Sensory substitution & sensorimotor extension
- Teleoperation
- Visualization

The authors are encouraged to submit full papers describing original, previously unpublished, complete research, not currently under review by another conference or journal, addressing state-of-the-art research and developments.

All papers will be reviewed and accepted papers will appear in the Infocommunications Journal. Papers must be submitted electronically in IEEE format (double column A/4, page limit 8-10 pages). For formatting instructions, please visit [www.infocommunications.hu](http://www.infocommunications.hu).

#### **Authors' Schedule**

Full paper submission: April 20, 2013, notification: May 20, 2013, final submission: June 10, 2013.

#### **Paper submission**

Please send manuscripts in PDF format to the Guest Editor of this Special Issue of Infocommunications Journal at [baranyi@sztaki.hu](mailto:baranyi@sztaki.hu).

#### **Guest Editor:**

PÉTER BARANYI

Computer and Automation Research Institute – Hungarian Academy of Sciences

13-17 Kende u., Budapest, H-1111 Hungary

Phone: +36 1 279 6111 Fax: +36 1 279 6218

E-mail: [baranyi@sztaki.hu](mailto:baranyi@sztaki.hu)