Call for Papers

CogInfoCom 2012

KOŠICE, SLOVAKIA
DECEMBER 2-5, 2012

http://conf.uni-obuda.hu/coginfocom2012

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Sponsors:
IEEE Hungary Section, IEEE Joint Chapter of IES and RAS, Hungary

Technical sponsor: IEEE Industrial Electronics Society
Technical co-sponsor: Visionair – Vision Advanced Infrastructure for Research

The 3rd IEEE Conference on Cognitive Infocommunications (IEEE CogInfoCom2012) will be held in Košice, Slovakia at the premises of the Technical University of Košice, on 2-5 December, 2012.

Scope: Cognitive infocommunications (IEEE 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 detailed information please visit the official home-site of cognitive infocommunications at www.coginfocom.hu.

Contributions are expected from the following areas

- Effective computing
- Cognitive science
- Knowledge-Based Systems
- Multimedia & Human Computer Interaction
- Sensory substitution & sensorimotor extension
- Teleoperation
- Future Internet
- Interactive Systems Engineering
- Multimodal Interaction
- Real and virtual avatars
- Sensory Substitution & Sensorimotor Extension
- Virtual Reality Technologies
- and Scientific 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The authors are encouraged to submit full papers describing original, previously unpublished, complete research, not currently under review by another conference or journal, addressing state-of-the-art research and developments.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 conference proceedings. Papers must be submitted electronically via EasyChair in IEEE format (double column A/4, 4-6 pages long).

IEEE: All accepted papers which meet IEEE requirements are going to be included into IEEE Xplore database after the conference.

Authors’ Schedule

Full paper submission: September 1, 2012
Notification deadline: October 1, 2012
Final paper submission: November 1, 2012

Selected Papers

Selected Best Papers will be chosen (based on the quality and the level of presentation), to be submitted in a revised updated edition to journals with Impact Factors - CogInfoCom special issues of International Journal of Knowledge-Based Systems (Elsevier) and a special issue of Acta Polytechnica Hungarica, JACIII and a book of

Track Committees

Those who would like to form a track committee to initiate new tracks in their fields of science or to introduce the results of the partners of their large scale international projects in one track are warmly welcome. Please kindly note that the minimum number of sessions is 3 per track and 1 session is of 4 publications. DEMO sessions and DEMO track organizers are also warmly welcome!

Track I: Augmented Social Intelligence / Speech Science (Helen Meng, Nick Campbell, Géza Németh)
Track II: Cognitive Ergonomics / Human Factors of Infocommunication (Károly Herczegfi, Anita Komlódi, Laura Slaughter)
Track III: Vision-based Human Computer Interaction (Tamás Szirányi, Zoltán Vidyvánszky)
Track IV: Ethology-based communication (Ádám Miklósi)
Track V: Cognitive Mobile Applications and Services (Hassan Charaf)
Track VI: Communicative social signals: Computational and behavioural aspects of human-human and human-machine interaction (Anna Esposito, Klara Viczi, Alessandro Vincierielli)
Track VII: Cognition (Claudiu Pozna, Radu-Emil Precup)
Track VIII: Visionair Project (Frédéric Noël)

Sessions

Session I: Human System Interaction (László Kovács, Silveszter Kovács)
Session II: Theoretical aspects of cognitive infocommunications (Péter Baranyi, Ádám Csapó)