CIRCUITS AND SYSTEMS SOCIETY
Cellular Neural Networks and Array Computing Technical Committee

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Minutes from the Annual General Meeting 2008 of the IEEE-CAS Cellular Neural Network and Array Computing Technical Committee
(Seattle, 20th May 2008, 12:50 - 14:00)

Matters arising from minutes of 2007 AGM at ISCAS 2007

The minutes of the 2007 AGM were endorsed unanimously by the Committee.

Information from the meeting of the CASS Technical Activity Division

Marco Gilli, Chair of the Committee, reported the main points discussed in the above meeting, reminding the following deadlines: a) June 15th: new officers and annual report; b) June 15th: expert now proposals; c) October 1st: Distinguished Lecture Program proposals. He also reported about the proposal of organising a multiconference in 2009, which combines the two International Workshop on CNNs and Complex Systems.

Review of Technical Activities in 2007 and Annual Report

International Symposium on Circuits and Systems (ISCAS 2007), New Orleans, USA

The committee organized the review of about 20 submitted papers finally leading to 3 sessions for the track *Cellular Neural Networks and Array Computing.* The three sessions (which also included some papers submitted to a special session that was not included in the conference program) were devoted to the main aspects of CNN theory and applications. They were entitled "*Spatio Temporal Computing & Design Issues,*" "*Modeling & Learning Algorithms,*" "*Theory & Bio-Inspired Algorithms of Cellular Neural Networks.*"

Ronald Tetzlaff and Marco Gilli served as track chairs and the review committee consisted of Paolo Arena, Mauro Forti, Marco Gilli, Maciej Ogorzalek, Ari Paasio, Csaba Rekeczky, Peter Szolgay, and Ronald Tetzlaff.

European Conference on Circuit Theory and Design (ECCTD'07), Seville, Spain.

The conference was attended by many members of the Committee, who also joined the Scientific and the Organizing Committee. It traditionally includes some sessions entirely devoted to CNNs. In 2007, CNN papers were grouped in four session, mainly covering CNN implementations and applications, with specific reference to biomedical signal processing. They were entitled: "*CNN Implementations, " "Digital CNN Applications," "CNN Algorithms," "Emerging Trends in Biomedical Signal Processing."*

Piotr Dudek and Bertran Shi served as Track Chair for the Track *"Gigascale Systems: Neural Networks, CNNs and Fuzzy Systems."* Marco Gilli served for the Track *"Nonlinear Circuits."*

International Joint Conference on Neural Networks (IJCNN'07), Orlando, USA.

Some committee members attended the conference and one session entitled "Neurodynamics, Complex systems, and Chaos" were mainly composed of CNN papers.

International Symposium on Circuits and Systems (ISCAS 2008), Seattle, USA

The committee organized the review of about 20 submitted papers finally leading to 2 sessions for the track *Cellular Neural Networks and Array Computing.* The two sessions (which also included some papers submitted to a special session that was not included in the conference program) were devoted to the main aspects of CNN theory and applications. They were entitled *"Cellular Neural Networks: Theory and Applications," and " Cellular Neural Networks: Applications and Implementations."*

Marco Gilli served as the track chair and the review committee consisted of Paolo Arena, Mauro Forti, Marco Gilli, Maciej Ogorzalek, Ari Paasio, Csaba Rekeczky, Peter Szolgay, and Ronald Tetzlaff.

Upcoming conferences

CNNA 2008
The 11th IEEE International Workshop on Cellular Neural Networks and their Applications (CNNA'08) will be held in Santiago de Compostela, Spain from the 14th to the 16th of July 2008. David Vilarino gave a brief illustration of the technical programme, including keynote speeches and demonstrations.

CNNA 2010

It was decided that the 2010 International Symposium on Cellular Neural Networks and their Applications will be held in Berkeley (USA) and that this will also be the occasion for celebrating the twentieth anniversary from the invention of CNNs.

ISCAS 2009

Marco Gilli remembered the deadline for Special Session proposals submission to ISCAS'09. The members agreed that the promotion of special sessions stimulates as well the participation in the general program. It should be stressed, to our peers and contacts, that the proper consignation of the track to which the paper is going to be directed will greatly help to make a better account of the participation of our Committee in ISCAS, avoiding the desegregation of papers related with the Committee topics into sessions promoted by other committees.

Annual Report

Marco Gilli requested information from the members concerning their activities in this field to be incorporated into the Annual Report.

Nomination of Dr. Chai Wa Wu and Dr. Mauro di Marco for Membership

The proposal of Dr. Chai Wa Wu (IBM T. J. Watson Research Center) was formally done by Tamas Roska, whereas the proposal of Dr. Mauro di Marco (University of Siena – Italy) was done by Marco Gilli. After a brief summary of their activities and an account, on behalf of Dr. Chai Wa Wu and Dr. Mauro di Marco, of their interests in joining the Committee, they were unanimously accepted into it by the assisting members, therefore becoming members.

Other Issues

It was decided to hold a committee meeting in Santiago di Compostela, during CNNA'08, mainly devoted to appoint the new TC officers and to make a decision about the proposed CAS multiconference.