

**Report of TC3**  
**Neural Networks and Computational Intelligence**  
**January 1, 2009 – June 30, 2009**

Chair  
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## **1. Main activities in last 6 months**

After 6 years as chair and co-chair Simone Marinai finished his service for TC3. Together with Marco Gori he organized the TC's first workshop on Artificial Neural Networks for Pattern Recognition (ANNPR 2003) in Florence; as a general chair he organized the following ANNPR 2006 in Ulm and ANNPR 2008 in Paris. He has done a great job in organizing TC3 and the ANNPR workshops. Thank you very much Simone for all your work and good luck for your future plans! In February 2007 the IAPR EXCo appointed me as new TC3 Chair for the next term.

For ANNPR 2010 the TC3 received 3 excellent proposals from the Universities of Naples, Beijing, and Cairo. All three proposals were carried out perfectly, and I'd like to thank the organizers for their time and effort for preparing the proposals. I hope that they will consider hosting ANNPR or another TC3 event in the future.

The organizers of the previous ANNPRs, namely Simone Marinai, Friedhelm Schwenker, Lionel Prevost reviewed the proposals carefully --- and the winner is Cairo. Final dates are not fixed but it is planned to have ANNPR in April 2010 (tentative 11-13 April) close to the IAPR TC1 workshop on Multiple Classifier Systems. Our host is Prof Neamat El Gayar, Nile University. A first call will be sent in July, 2009. The proceedings will be published by Springer LNAI.

The TC3 website (it is now hosted at the University Ulm, Germany  
<http://www.uni-ulm.de/in/neuroinformatik/iapr-tc3.html>)  
was re-organized but it is still under construction.

The mailing list was updated permanently. It is used to distribute information related to TC3. More than 110 researches are members of the TC3 mailing list.

## **2. Plans for the next years**

### **2.1 Website updates**

A complete reconstruction of the web-site is planned for July-September 2009.

#### **2.1.1 Educational information**

Demo tools for various neural network learning methods have been implemented during the last 2 years. In the future we will add some more demo tools, and additional tutorial material.

### **2.2 Activities**

Organization of ANNPR 2010 is one of the main activities of the TC3. It is planned to offer travel grants, and a best student paper award at ANNPR 2010.

In the near future a vice chair for TC3 will be appointed, furthermore it is planned to increase the organization structure of the TC. Because TC3 and ANNPR are rather focused to Europe, it is planned to integrate representatives of Asia, Australia, Africa, and America into the TC3 organisation in order to increase the visibility of our TC.

Furthermore the workshop activity should be increased during the next years. One option is to have annual ANNPR workshop meetings, this because we had 3 proposals for hosting the next ANNPR which shows a lot of interest in ANNPR. Another direction is in organizing additional specialized workshops on topics related to our TC, for instance recurrent neural nets for pattern recognition, bio-inspired neural nets, information fusion, neural network ensembles,