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Artificial Neural Networks in Pattern Recognition

7th IAPR TC3 Workshop, ANNPR 2016
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Preface

This volume contains the papers presented at the 7th IAPR TC3 Workshop on Artificial Neural Networks in Pattern Recognition (ANNPR 2016), held at Ulm University, Ulm, Germany, during September 28–30, 2016. ANNPR 2016 followed the success of the ANNPR workshops of 2003 (Florence), 2006 (Ulm), 2008 (Paris), 2010 (Cairo), 2012 (Trento), and 2014 (Montreal). The series of ANNPR workshops has served as a major forum for international researchers and practitioners from the communities of pattern recognition and machine learning based on artificial neural networks.

The Program Committee of the ANNPR 2016 workshop selected 25 papers out of 32 for the scientific program, organized in regular oral presentations. The workshop is enriched by two IAPR invited sessions: A Spiking Neural Network for Personalized Modelling of Electrogastogrophy (EGG) given by Prof. Nikola Kasabov, Auckland University of Technology, New Zealand and Learning Sequential Data with the Help of Linear Systems presented by Prof. Alessandro Sperduti, University of Padua, Italy.

This workshop would not have been possible without the help of many people and organizations. First of all, we are grateful to all the authors who submitted their contributions to the workshop. We thank the members of the Program Committee and the additional reviewers for performing the difficult task of selecting the best papers from a large number of high-quality submissions. We hope that readers of this volume will enjoy it and get inspired from its contributions. ANNPR 2016 was supported by the International Association for Pattern Recognition (IAPR), by the IAPR Technical Committee on Neural Networks and Computational Intelligence (TC3), by the University of Ulm, Germany, and the Transregional Collaborative Research Center SFB/TRR 62 Companion-Technology for Cognitive Technical Systems. Special thanks to the people responsible for local organization, in particular to Markus Kächele, Viktor Kessler, Sascha Meudt, and Patrick Thiam. Finally, we wish to express our gratitude to Springer for publishing our workshop proceedings within their LNCS/LNAI series.

July 2016

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