

Report on 17th Engineering Applications of Neural Network Conference held at Robert Gordon University between 2nd – 5th September 2016

The 17th International Conference on Engineering Applications of Neural Networks (EANN) was held at Robert Gordon University in Aberdeen, UK during September, 2016. The supporters for the conference were the International Neural Network Society (INNS), The Scottish Informatics & Computer Science Alliance (SICSA), Visit Aberdeen, Visit Scotland and Robert Gordon University in Aberdeen, UK. The 17th EANN 2016 attracted delegates from twelve countries across the world: Czech Republic, China, Chile, Colombia, Greece, Italy, Japan, Poland, Portugal, Russia, UK and USA.

The conference proceeding includes twenty-two full papers, three short papers and two tutorial papers. All papers were subject to a rigorous peer-review process by at least two independent academic referees. EANN 2016 accepted approximately 53% of the submitted papers as full papers. The best 10 papers will be invited to submit extended contributions for inclusion in a Special Issue of Neural Computing and Applications (Springer). The papers demonstrate a variety of novel neural network and other computational intelligence approaches applied to challenging real world problems. The papers cover exciting topics such as: convolutional neural networks and deep learning applications, real-time systems, ensemble classification, chaotic neural networks, self organizing maps applications, intelligent cyber physical systems, text analysis, emotion recognition and optimization problems.

The following keynote speakers gave lectures on exciting neural network application topics:

- Professor Nikola Kasabov, Director and Founder, Knowledge Engineering and Discovery Research Institute (KEDRI), Chair of Knowledge Engineering, Auckland University of Technology, New Zealand;
- Professor Marley Vellasco, Head of the Electrical Engineering Department and the Applied Computational Intelligence Laboratory (ICA) at PUC-Rio, Brazil;
- Professor John MacIntyre, Dean of the Faculty of Applied Sciences, Pro Vice Chancellor Director of Research, Innovation & Employer Engagement, University of Sunderland, UK;

In total 52 delegates, of which 14 PhD students attended the event. SICSA-sponsored students came from the following Universities: University of Aberdeen (3 students) and University of Edinburgh (1 student).