

INFORMATION SCIENCES

Information Science and Technology is currently undergoing a dramatic development, involving major advances both in theoretical and technological areas, such as architectures and networks, programming and computational models, system and programming environments. Marie Curie Fellows are giving an important contribution to these advances.

The Information Science panel is glad to present two excellent papers, both from Marie Curie Fellows, and the keynote paper featured by the second issue.

The first paper on "Making Java Hard Real-Time", by Peter Puschner, Guillem Bernat and Andy Wellings, develops a hard real-time profile for the popular Java language. The paper makes an interesting contribution to real-time programming, a field concerned with on-time performance of algorithms.

The second paper, "Neural Networks Revisited: A Statistical View On Optimisation And Generalisation" by Andreas Wendemuth, concerns Artificial Neural Networks. Statistical methods are applied to the analysis of these networks. These yield average results for robustness, capacity and generalisation in the presence of certain network architectures and data distributions. The paper analyses in particular the dynamics of generalisation and learning of the Adaline training algorithm.

We wish you a nice reading of the papers in this section and welcome you again to present new exiting projects and results in the next issue of the annals.

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