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Artificial Intelligence and Neural Networks

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Preface

The Turkish Artificial Intelligence and Neural Network Symposium (TAINN) is an annual meeting where scientists present their new ideas and algorithms on artificial intelligence and neural networks with either oral or poster presentation. The TAINN-Turkish Conference on AI and NN Series started in 1992 at Bilkent University in Ankara, envisioned by various researchers in AI and NN then at the Bilkent, Middle East Technical, Boğaziçi and Ege universities as a forum for local researchers to get together and communicate. Since then, TAINN has been held annually around early summer. This year the 14th TAINN conference was organized by the EE and CE departments of the İzmir Institute of Technology with an emphasis on international contributions.

Among the 75 papers, 41 were accepted for oral presentation and 12 for poster presentation. In addition to the presentations, invited lectures were given by Burhan Türkşen (Knowledge/Intelligence Systems Laboratory, University of Toronto) and Joerg Siekmann (German Research Center for Artificial Intelligence DFKI, Saarland University), providing us with new developments in the field. We are very grateful to the contributions of such pioneer scientists.

The careful reviewing process by the well-recognized reviewers contributed to the quality of TAINN 2005, and therefore we thank them very much. We thank each member of the Organizing Committee and advisory board. We also thank Bora Mocan and Emre Çek, who are research assistants in the Electrical-Electronics Engineering Department of IYTE, for their efforts in the organization and in the preparation of the proceedings. We are grateful to the Turkish Scientific and Research Council of Turkey (TUBITAK) and the İzmir Branch of the Chamber of Electrical and Electronics Engineers (EMO) for their financial support.

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