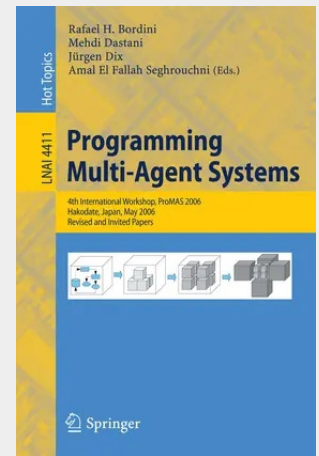


Programming Multi-Agent-Systems

4th International Workshop, ProMAS 2006, Hakodate, Japan, May 9, 2006, Revised and Invited Papers

This book constitutes the thoroughly refereed postproceedings of the 4th International Workshop on Programming Multi-Agent Systems, ProMAS 2006, held in Hakodate, Japan, May 2006. Coverage includes uncertainty of agents; lightweight devices for business and e-commerce applications; component-based agents for MAS simulation; creation, execution, mobility and communication of agents; as well as multi-agent platforms and organization.

These are the proceedings of the 4th International Workshop on Programming Multi-Agent Systems (ProMAS2006), held on May 9, 2006 in Hakodate (Japan) as an associated event of AAMAS 2006: the main international conference on autonomous agents and multi-agent systems (MAS). ProMAS 2006 was the fourth of a series of workshops that is attracting the increasing attention of researchers and practitioners in multi-agent systems. The idea of organizing the first workshop of the series was first discussed during the Dagstuhl Seminar Programming Multi-Agent Systems Based on Logic (see [6]), where the focus was on logic-based approaches. It was felt that the scope should be broadened beyond logic-based approaches, thus giving the current scope and aims of ProMAS [see [4] for the proceedings of the first workshop (ProMAS2003), [1] for the proceedings of the second workshop (ProMAS2004), and [3] for the proceedings of the third workshop (ProMAS 2005)]. All four events of the series were held as AAMAS workshops. Besides the ProMAS Steering Committee (Rafael Bordini, Mehdi Dastani, Jürgen Dix, and Amal El Fallah Seghrouchni), an AgentLink III Technical Forum Group on Programming Multi-Agent Systems has been very active in the last couple of years (see <http://www.cs.uu.nl/~mehdi/al3promas.html> for details on that group). Moreover, we have edited a book on Multi-Agent Programming [2], and ProMAS2007 will be held with AAMAS 2007 on May 12 or 13, in Honolulu, Hawaii (see <http://www.cs.uu.nl/ProMAS/> for up-to-date information about ProMAS). At the next edition of this workshop series, ProMAS 2007, a Multi-Agent Contest was organized (see [5] and <http://cig.in.tu-clausthal.de/AgentContest/>).



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