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IMPACT: A Multi-Agent Framework with Declarative Semantics, Jürgen Dix and Yingqian Zhang

CLAIM and SyMPA: A Programming Environment for Intelligent and Mobile Agents, Amal El Fallah Seghrouchni and Alexandru Suna

Part II Java-Based Agent Programming Languages

JADE - A Java Agent Development Framework, Fabio Bellifemine, Federico Bergenti, Giovanni Caire and Agostino Poggi

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JACK™ Intelligent Agents: An Industrial Strength Platform, Michael Winikoff

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Multi-Agent Programming
Languages, Platforms and Applications
Bordini, R.H.; Dastani, M.; Dix, J.; El Fallah Seghrouchni, A. (Eds.)
2005, XXIV, 296 p., Hardcover