

Preface

Three Institutes of the CoreGRID Network of Excellence organized a common workshop to present and discuss the latest results on Grid and P2P Technologies achieved by the Institute partners as well as the latest developments by researchers outside the CoreGRID community. The three institutes involved are:

- The Institute on *Programming Model*,
- The Institute on *Architectural Issues: Scalability, Dependability, Adaptability*, and
- The Institute on *Grid Systems, Tools, and Environments*.

The aforementioned institutes have a history in organizing joint events – the most recent one being the workshop in Krakow, Poland in June 2006.

The 2007 joint workshop took place at the premises of the Institute of Computer Science, Foundation for Research and Technology-Hellas (FORTH-ICS), Heraklion-Crete, Greece on June 12-13, 2007. The event was organized in two plenary sessions hosting a presentation from the CoreGRID scientific coordinator and three invited speakers, followed by 12 technical sessions hosting the accepted contributions. A total of 42 papers were accepted for presentation among those submitted to the workshop.

The workshop invited speakers presented some of the latest developments in Grid Technology, Semantic Grid, and P2P technology respectively. Their talks focused on ongoing work including some open problems and stimulated interesting discussion among the participants.

The invited speakers and their respective talk titles were the following:

- Dennis Gannon, Indiana University, “*Programming Gateways to the Teragrid*”
- David De Roure, University of Southampton, “*Re- evaluating the Grid*”
- Ann Chervenak, University of Southern California “*Peer-to-peer Approaches to Grid Resource Discovery*”.

All the contributions presented to the workshop have been included in a CoreGRID technical report – TR-0080¹. The papers presented at the workshop have been submitted to a further formal refereeing process. This volume hosts the selected contributions resulting from this review process.

We wish to thank our hosts from FORTH-ICS for their kind hospitality, the local organization team for providing such superb support, the CoreGRID administrative structure for allowing us to organize the workshop and, in particular, to support the invited speakers, and the entire CoreGRID community for submitting such a large number of interesting and high quality papers and for their enthusiastic participation in the workshop.

Our thanks also go to the European Commission for sponsoring this volume of selected articles from the workshop via the CoreGRID NoE project, grant number 004265.

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¹Available at <http://www.coregrid.net/mambo/content/view/152/292/>

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