

Contents

Preface

V. Huber, R. Müller-Pfefferkorn, M. Romberg **i**

A Workflow for Polarized Light Imaging Using UNICORE Workflow Services

Björn Hagemeier, Oliver Bücker, André Giesler, Rajveer Saini, Bernd Schuller **1**

Fostering the Adoption of UNICORE Portal

Krzysztof Benedyczak, Piotr Bała, Marcelina Borcz, Valentina Huber, Rafał Kluszczyński, Mariya Petrova, Piotr Piernik, Bernd Schuller **15**

Certificate-free User-friendly HPC Access with UNICORE

Richard Grunzke, Ralph Müller-Pfefferkorn **23**

Perspectives for RESTful Services in the UNICORE Services Environment

Bernd Schuller, Jędrzej Rybicki, Krzysztof Benedyczak **31**

Providing Integration of UNICORE Services in Private PaaS Platform

Gleb Radchenko, Dmitry Savchenko **39**

Resource Scheduling Algorithm in Distributed Problem-Oriented Environments

Anastasia Shamakina, Leonid Sokolinsky **49**