Full Papers

Learning to Diagnose Stragglers in Distributed Computing ................................................................. 1
Cong Li, Huanxing Shen, and Tai Huang

Design of Fault Tolerant Pwrake Workflow System Supported by Gfarm File System ............................................................. 7
Masahiro Tanaka and Osamu Tatebe

The AllScale Runtime Interface — Theoretical Foundation and Concept ..................................................... 13
Arne Hendricks, Thomas Heller, Herbert Jordan, Peter Thoman, Thomas Fahringer, and Dietmar Fey

Clustering Based on Task Dependency for Data-Intensive Workflow Scheduling Optimization ................................................................. 20
Ei Ei Mon, Myint Myint Thein, and May Thu Aung

Author Index ........................................................................................................................................26