

NDM'13: Third International Workshop on Network-aware Data Management

The Third International Workshop on Network-aware Data Management was held in cooperation with ACM SIGHPC, in conjunction with the IEEE/ACM International Conference for High Performance Computing, Networking, Storage and Analysis (SC 2013), in Denver, Colorado, on Sunday November 17, 2013.

The goal of this one-day workshop was to seek contributions from academia, government, and industry to discuss emerging trends and new technological developments in dynamic resource provisioning, intelligent data-flow and resource coordination, end-to-end processing of data, network-aware application design issues, and cutting-edge network performance problems.

The format of the workshop consisted of three invited talks, one contributed talk, and presentations of peer-reviewed papers. The workshop organization includes 20 program committee members and 3 workshop organizers. For each submission, paper review process involved at least 3 reviews by program committee members and external reviewers delegated by them. We ranked the review scores and selected high-quality papers that best fit into the workshop program. Based on the review results, we accepted 9 papers. Among them, 5 were full papers with 30-minute presentations, and 3 were short papers with 20-minute presentations in the workshop.

A Best Paper Award certificate was presented to *Nathan Hanford, University of California, Davis*, during the closing remarks session at the end of the workshop, for his presentation titled *“Characterizing the Impact of End-System Affinities On the End-to-End Performance of High-Speed Flows”*.

The contributed talk titled **“Overview of ESnet's 100Gbps Tesbed”** was given by Brian L. Tierney of Lawrence Berkeley National Laboratory. The three invited talks by eminent researchers were **“Challenges and Solutions in Large Scale Data Movement”** (by Martin Swany, Indiana University), **“The Changing Face of Network Projects and Funding”** (by Jennifer M. Schopf, International Networking at Indiana University), and **“Supporting Climate Modeling Over Named Data Networking”** (by Christos Papadopoulos, Colorado State University).

Topics covered in the workshop included network-aware workflows, RDMA and 100Gbps networks, network-aware caching, monitoring and resource management, virtual machine consolidation, and performance problems. NDM workshop complements the SC's mission and offers a crucial opportunity for SC attendees by providing an in-depth forum in networking and data management.

We posted the presentation slides from papers and invited talks online at <http://2013.ndm-meeting.org>. The papers were published in ACM proceedings (ISBN: 978-1-4503-2522-6/13/11).

No revenue was generated by the workshop and there were no other expenses.

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NDM'13 Organizers
