## Workshop on Distributed Storage Systems and Coding for BigData

### Program

**Date:** 7th, Oct., 2013  
**Venue:** Ballroom E, Hyatt Regency, Santa Clara CA, USA

<table>
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<th>Time</th>
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<tr>
<td>9:45-10:00</td>
<td>Plenary</td>
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<td>10:00-10:40</td>
<td><strong>Invited Talk:</strong> Dr. Lluis Pamies-Juarez, Nanyang Technological University, Singapore</td>
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| 10:40-11:00| **Construction of Exact-BASIC Codes for Distributed Storage Systems at the MSR Point**  
Hanxu Hou, Kenneth W. Shum, and Hui Li |
| 11:00-11:20| **The MDS Queue: Analysing the Latency Performance of Erasure Codes**  
Nihar Shah, Kangwook Lee, and Kannan Ramchandran |
| 11:20-11:40| **The Code Rebalancing Problem for a Storage-Flexible Data Center Network**  
Iryna Andriyanova, Alan Jule, and Emina Soljanin |
| 11:40-12:00| **Reliability of Erasure Coded Storage Systems: A Geometric Approach**  
Antonio Campello, and Vinay Vaishampayan |
| 12:00-13:20| Lunch at your own                                                         |
| 13:20-14:00| **Invited Talk:** Prof. Hui Li, Peking University Shenzhen Graduate School, China |
| 14:00-14:20| **Efficient Updates in Cross-Object Erasure-Coded Storage Systems**  
Kyumars Sheykhsaimaili, Aatish Chiniah, and Anwitaman Datta |
| 14:20-14:40| **Paired-Replicas with Constant Repair Time: Loss Functions and Memorylessness**  
Vinay Deolalikar |
| 14:40-15:00| **Distributed Storage Evaluation on a Three-Wide Inter-Data Center Deployment**  
Yih-Farn Chen, Scott Daniels, Marios Hadjieleftheriou, Pingkai Liu, Chao Tian, and Vinay Vaishampayan |
| 15:00-15:20| **Layout-Aware I/O Scheduling for Terabits Data Movement**  
Youngjae Kim, Scott Atchley, Geoffroy R. Vallee, and Galen M. Shipman |
| 15:20-15:40| **svfs: A virtual file system in userspace that supports large files**  
Wasim Ahmad Bhat, and S.M.K. Quadri |