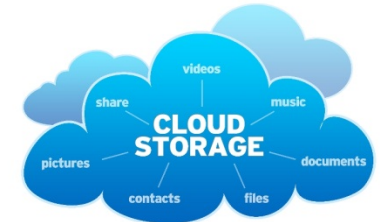
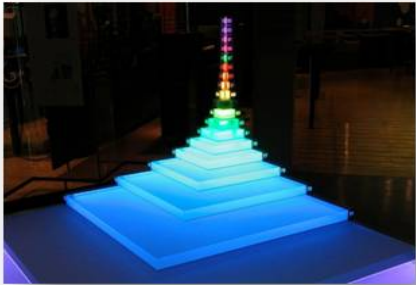


WiFi: Sheraton-Conference
password ieeeicc14 or SOTC2014



IEEE ComSoc — Data Storage Technical Committee

ICC 2014 — Sydney

June 12, 2014 12:30-13:30

Boardroom I/Level 5 of Sheraton on the Park Hotel

IEEE DSTC



▪ Goals and activities:

- Technical group under IEEE Communications Society to promote data storage related technologies and their applications
- Scope covers signal processing and coding for magnetic and non-volatile storage systems, cloud storage/computing, mobile storage
- Bridge between storage industry and universities to engage research collaboration
- Sponsor and co-sponsor conferences, workshop, etc.
- Promotion of distinguished lecturer; IEEE Fellow and Senior Member
- Paper awards
- Special issues of journals. Tutorials and workshops

▪ Join us:

- Website: <http://committees.comsoc.org/dstc/>
- Join the mailing list

IEEE DSTC



■ Technical Committee Officers:

- Chair: Dr. Haitao (Tony) Xia,
 - LSI Corporation, USA
- Vice Chair (Industry): Dr. Xinde Hu
 - SanDisk, USA
- Vice Chair (Academic): Prof. Sedat Olcer
 - Istanbul Bilgi University
- Secretary: Prof. Brian M. Kurkoski,
 - Japan Advanced Institute of Science of Technology (JAIST), Japan
- Treasurer: Dr. Kui Cai
 - Data Storage Institute, Singapore

Today's Agenda

- Sponsorship of ICC/Globecom data storage tracks
 - ICC2014 report
 - Globecom 2014 updates
 - ICC 2015 updates
- Membership and Mailing list updates
- New web site
- Additional items
 - Globecom 2015, ICC 2016
 - JSAC Special Issue
 - Paper award
- Upcoming Election of Officers

ICC2014 - Sydney

- Brian Kurkoski, Track Chair
- 15 papers were submitted and reviewed
 - 8 papers on “Coded Distributed Storage”
 - 7 papers on “traditional” coding
- 6 papers accepted, 40% acceptance rate
 - SAC-Data Storage session: June 12 14:00-15:30 Hilton (Room 5, Level 1)
 - 5 oral presentations and 1 “interactive presentation”
- Comments
 - Reasonable papers were rejected to satisfy the conference 40% rate
 - Increase number of coded distributed storage experts

Thank you to the TPC Members (~3 papers/member).

- | | |
|---|---|
| ▪ Kui Cai, Data Storage Institute, Singapore | Frederique Oggier, Nanyang Technological University, |
| ▪ Lara Dolecek, UCLA, USA | Luis Pamies-Juarez, HGST |
| ▪ Shayan Garani, Indian Institute of Science, Bangalore | Ricardo Raheli, University of Parma, Italy |
| ▪ Jeongseok Ha, KAIST, Korea | Pornchai Supnithi, King Mongkut's Institute of Technology
Ladkrabang, Thailand |
| ▪ Kohsuke Harada, Toshiba, Japan | Haitao Xia, LSI Corporation, USA |
| ▪ Xinde Hu, SanDisk Corporation, USA | Eitan Yaakobi, Caltech, USA |
| ▪ Hiroshi Kamabe, Gifu University, Japan | Xinmiao Zhang, SanDisk Corporation, USA |
| ▪ Peter Mueller, IBM Zurich | |

Globecom 2014 - Austin

- Lara Dolecek, Track Chair
 - Submission deadline: April 1st, 2014
- 12 papers submitted.
- Review process is on-going. Each paper has received 3+ reviews.
- Contributions span coding for memories, modeling, codes for storage, cloud apps
- Notification deadline: July 1, 2014

TPC members:

- **Lara Dolecek, UCLA, USA**
- **Benjamin Belzer, Washington State Univ.**
- **J. Cruz, Univ. of Oklahoma**
- **Faith Erden, Seagate Technology**
- **Shayan Garani Srinivasa, Indian Institue of Science**
- **Idan Goldenberg, SanDisk**
- **Kiran Gunnam, Vilion Memory**
- **Anxiao (Andrew) Jiang, Texas A&M Univ.**
- **Mustafa Kaynak, Micron Technology**
- **Brian Kurkoski, JAIST**
- **Luis Lastras-Montano, IBM**
- **Tiffany Jing Li, Lehigh Univ.**
- **Jaekyun Moon, KAIST**
- **Ravi Motwani, Intel.**
- **Moshe Schwartz, Ben-Gurion Univ.**
- **Ying Tai, SanDisk**
- **Bane Vasic, Univ. of Arizona**
- **Haitao (Tony) Xia, LSI**
- **Eitan Yaakobi, Technion**

ICC 2015 - London (June 8 ~12, 2015)

- Xinde Hu, Track Chair
- Submission deadline: Sep. 30th, 2014
- TPC member: TBD
- Call for paper

ICC 2015 Promotion Video

Mailing List and Membership

DSTC mailing list moved to IEEE Listserv in July 2013

- Stability, consistent, IEEE address
- low-volume announcements: ICC/Globecom CFPs, DSTC meetings, etc.

DSTC Member = On the DSTC mailing list

- 182 email addresses as of June 2014
- Not all are unique/active
- Future work is to find names and affiliations for the active addresses

Subscribe

- To subscribe to the DSTC mailing list, send a message to:
 - listserv@listserv.ieee.org

with message body:

- [subscribe dstc Your Name, Your Affiliation](#)

New DSTC Web Site

<http://committees.comsoc.org/dstc/>

Additional Updates

- Globecom 2015 in San Diego — Haitao (Tony) Xia, DSTC Rep.
- ICC 2016 in Kuala Lumpur — Edward Au, DSTC Rep.
- JSAC Special Issue on Data Storage — Published May 2014
 - 22 technical articles published.
 - Acceptance rate was 40%
 - GUEST EDITORS: Lara Dolecek (lead), Mario Blaum, Jehoshua Bruck, Anxiao (Andrew) Jiang, Kannan Ramchandaran, Bane Vasic
- 2011 and 2012 Best Student Paper Award (announced at Globecom 2013)
 - K. V. Rashmi, Nihar B. Shah and P. Vijay Kumar, “Optimal Exact-Regenerating Codes for Distributed Storage at the MSR and MBR Points via a Product-Matrix Construction”, IEEE Transactions on Information Theory, Vol. 57, No. 8, August 2011
- Technical Activities Council. Report from Brian Kurkoski

Election of Officers

- 2014 is an election year for DSTC

From DSTC Policies and Procedures (P&P)

- Elections occur before the IEEE TC meeting at GLOBECOM
- Five elected officers:
 - Chair,
 - Vice-chair from industry,
 - Vice-chair from academia,
 - Secretary, and
 - Treasurer
- Candidates' Biographies/position statements available four weeks before an election (late October/early November).
- Need to identify candidates by September