IEEE Communications Society (ComSoc)
Transmission, Access and Optical Systems (TAOS)
Technical Committee

ICC 2015 TC meeting,
London, UK
Wednesday June 10, 2015
Excel Convention Center
Capital Lounge 5 & 6, Second Floor
13:00 – 14:30

Ahmed E. Kamal
Chair, TAOS

Agenda

- Welcome and Introductions
- Approval of the Globecom 2014 minutes of meeting (Austin)
- Highlights and Trends
- Conferences update (sponsorships and statistics)
  - Globecom 2014, ICC 2015, and Globecom 2015
  - ICC/Globecom statistics (2010-2015)
  - ICC and Globecom conferences in the works
    - Globecom 2015
    - ICC 2016
    - Globecom 2016
    - ICC 2017
    - Beyond ICC 2017
  - Other Conferences (Including TCS)
- Other Activities/Updates
- TAOS Best Paper Awards
- TAOS Service Award
Highlights and Trends

- New TAOS website has been fully functional starting 2015
- Third issue of TAOS’ Newsletter released on May 31, 2015
- Four-year-old successful themes, associated with two GC/ICC SAC Tracks:
  - Broadband Access (Access Networks and Systems, ASN)
  - Green Communication Systems and Networks (GCSN)
    - GCSN has been elevated to a separate Symposium starting ICC 2016 in Kuala Lumpur, Malaysia
- Sponsorship of GC/ICC’s ONS continues

Conferences Update (1/9)

GC 2014 (Austin, Texas)

- **SAC Symposium**: Access Track, chaired by Frank Effenberger, received 13 papers, the distribution of which here below.
- **SAC Symposium**: GCSN, co-chaired by Fabrizio Granelli, received 108 papers, 42 accepted (38.8%).
  - 7 Sessions plus contribution to an Interactive Session – topics: Green wireless and cellular networks, green optical networks, green clouds, smart grid communications.
- ONS received 75 papers, and 30 were accepted

<table>
<thead>
<tr>
<th>SAC ANS Track Statistics</th>
<th>Optical</th>
<th>Wireless</th>
<th>Optical/Wireless Integration</th>
<th>xDSL</th>
<th>Cable (HFC &amp; IPTV)</th>
<th>Others</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Submitted</td>
<td>1</td>
<td>8</td>
<td>1</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>13</td>
</tr>
<tr>
<td>Accepted</td>
<td>1</td>
<td>3</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>6</td>
</tr>
</tbody>
</table>
Conferences Update (2/9)
ICC 2015 (London, UK)

- ICC 2015 (London), N. Gomes and A. Manikas are Technical Program Co-Chairs.
  - SAC Symposium: Green Communication Track Chaired by Jaafar Elmirghani, received 119 papers, avg. 4.36 reviews per paper, accepted 43 papers (36.1%)
  - SAC Symposium: ANS Track, chaired by Jochen Maes, received 36 papers, 26 TPC members, 5 reviews/paper. Track statistics are below. In-Home Networking new theme with 3 papers (PLC & mgnt)
  - ONS Symposium: co-chaired by Luca Valcarenghi: 94 + 2 (moved to general track because co-authors are chairs) Papers submitted, 50% in systems and 50% in networks. Accepted 40 papers (41.7% papers accepted); avg. 4.3 reviews/paper

<table>
<thead>
<tr>
<th>SAC ANS Track Statistics</th>
<th>Optical/L</th>
<th>Wireless</th>
<th>Optical/ Wireless Integration</th>
<th>xDSL</th>
<th>Cable (HFC &amp; IPTV)</th>
<th>PLC</th>
<th>Others</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Submitted</td>
<td>9</td>
<td>7</td>
<td>3</td>
<td>9</td>
<td>1</td>
<td>3</td>
<td>4</td>
<td>36</td>
</tr>
<tr>
<td>Accepted</td>
<td>4</td>
<td>2</td>
<td>2</td>
<td>6</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>17</td>
</tr>
</tbody>
</table>

Ahmed E. Kamal, June 10, 2015
TAOS meeting, ICC 2015, London

Conferences Update (3/9)
ICC 2015 (London, UK)

- 27 workshops and 20 tutorials; 18 industry panels
  - 1st IEEE Workshop on Visible Light Communications and Networking (VLCN), Chaired by Mauro Biagi, Anna Maria Vegni, and Zabih Ghassemlooy:
    - 52 papers submitted, 20 accepted organized in 5 Regular sessions plus 2 keynotes
    - Attendants: 50 (equivalent to 250% of the expected speakers)
  - Tutorial: Greening Cloud Networks, By Jaafar Elmirghani
  - Tutorial: Optical Wireless by Maite Brandt-Pearce, Zhengyuan (Daniel) Xu and Steve Hranilovic

Ahmed E. Kamal, June 10, 2015
TAOS meeting, ICC 2015, London
Conferences Update (4/9)
Globecom 2015 (San Diego, CA)

- Globecom 2015 (San Diego), Ramesh Rao: Technical Program Chair
  - SAC Symposium: Green Communication Track co-chaired by Abdallah Shami, received 108 papers.
  - SAC Symposium: ANS Track, chaired by Hakki Cankaya, received 32 papers.
  - Track statistics are below.
  - ONS Symposium: co-chaired by Jean Armstrong and Maite Brandt-Pearce: received 85 papers.

<table>
<thead>
<tr>
<th>SAC ANS Track Statistics</th>
<th>Optical</th>
<th>Wireless</th>
<th>Optical/ Wireless Integration</th>
<th>xDSL</th>
<th>Cable (HFC &amp; IPTV)</th>
<th>PLC</th>
<th>Others</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Submitted</td>
<td>5</td>
<td>12</td>
<td>4</td>
<td>7</td>
<td>---</td>
<td>---</td>
<td>4</td>
<td>32</td>
</tr>
<tr>
<td>Accepted</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
</tbody>
</table>

Ahmed E. Kamal, June 10, 2015
TAOS meeting, ICC 2015, London

Conferences Update (5/9)
SAC & ONS Trends, 2010 thru 2015

Submissions to TAOS-Sponsored SAC Tracks and ONS Symposium

Ahmed E. Kamal, June 10, 2015
TAOS meeting, ICC 2015, London
Conferences Update (6/9)
SAC Access Track (Main Areas): 2011 thru 2015

Access Track Sub-Areas (Main)

Conferences Update (7/9)
SAC Access Track (All areas): 2011 thru 2015

Access Track Sub-Areas
Conferences Update (8/9)

ICC & GC in the works

- ICC 2016 (Kuala Lumpur), Stefano Bregni TPC Chair; Tarek El-Bawab & Fabrizio Granelli Workshops Co-Chairs; TAOS approved:
  - Ahmed Kamal as chair for SAC ANS
  - Anura Jayasumana as co-chair for SAC GCSN
  - Walter Cerroni as co-chair for ONS

- GC 2016 (Washington DC), TAOS nominated
  - Luca Valcarenghi as chair for SAC ANS
  - Taisir Elgorashi as co-chair for SAC GCSN
  - Filippo Cugini as co-chair for ONS

- ICC 2017 (Paris), TAOS nominated
  - Steve Hranilovic as chair for SAC ANS
  - Cicek Cavdar as co-chair for SAC GCSN
  - George Rouskas as co-chair for ONS

- GC 2017 (Singapore)
- ICC 2018 (Kansas City)
- GC 2018 (Abu Dhabi)
- ICC 2019 (Shanghai)

Ahmed E. Kamal, June 10, 2015
TAOS meeting, ICC 2015, London

Conferences Update (9/9)

Other Conferences (Including TCS)

- ITU-K 2015
  - F. Granelli, R. Subrahmanyan and M. Guenach

- ONDM 2015
  - F. Cugini, A. Manikas and A. Kamal

- EuCNC 2015
  - S. Bregni and T. El-Bawab TPC co-Chairs, and F. Cugini TPC member

- NIST-ATIS-Telcordia Synchronization Workshop 2015
  - R. Subrahmanyan and S. Bregni are steering group members

Ahmed E. Kamal, June 10, 2015
TAOS meeting, ICC 2015, London
Other Activities/Updates (1/3)

- TAOS’ members contributions to ComSoc leadership:
  - Stefano Bregni, Tarek El-Bawab, and Steve Gorshe serve in ComSoc Board of Governors
  - Stefano Bregni is VP, Members Relations
  - Tarek El-Bawab is Director, Conference Operation
  - Steve Gorshe is Director of Magazines
  - Michael Devetsikiotis is Chair of GITC
  - Tarek El-Bawab, Michael Devetsikiots, and Fabrizio Granelli are Board Member, Education and Training Board (ETB)

Ahmed E. Kamal, June 10, 2015
TAOS meeting, ICC 2015, London

Other Activities/Updates (2/3)

  - Tarek El-Bawab represents TAOS in this activity
- Distinguished Lecturers (DLs):
  - Jaafar Elmirghan, Fabrizio Granelli (2nd term) and Anura Jayasumana

Ahmed E. Kamal, June 10, 2015
TAOS meeting, ICC 2015, London
Other Activities/Updates (3/3)

◆ Editorship
  • George Rouskas is Editor-in-Chief of Elsevier’s Journal of Optical Switching and Networking (OSN)
  • Tarek El-Bawab, Frank Effenberger, and Ravi Subrahmanyan, IEEE Communications Magazine
  • Filippo Cugini and Ahmed Kamal, Elsevier’s Journal of Optical Switching and Networking (OSN)
  • Fabrizio Granelli and Ahmed Kamal, IEEE Communications Surveys and Tutorials

◆ Other Activities and Updates:
  • Fabrizio Granelli represents TAOS in ComSoc Rapid standardization activity, and Chairs the Research Group on Software Defined and Virtualized Wireless Access
  • Stefano Bregni serves in Ad Hoc Committee on Smart Grid Communications and Michael Devetsikiotis serves in Ad Hoc Committee on Cloud Communications and Networking

◆ TAOS is always seeking new volunteers to participate and enrich our scope of technical activities
  • From industry and academia
  • From all over the world
  • Workshops, Tutorials, Panels, and special issues, with industrial contributions in particular
TAOS AWARDS
ICC 2015 - London

- Two Best Paper Awards
- One Service Award

TAOS’ Best Paper Awards (1/2)

- The TAOS Best Paper Award in the ICC 2015’s Access Networks and Systems (ANS) Track, Symposium on Selected Areas in Communications (SAC) is presented to the paper:
  - "Mitigating Disorderly Leaving Events in G.fast"
    - Yezf Huang, Department of Electrical and Information Technology, Lund University, Sweden
    - Thomas Magesacher, Department of Electrical and Information Technology, Lund University, Sweden
    - Eduardo Medeiros, Department of Electrical and Information Technology, Lund University, Sweden
    - Chenguang Lu, Ericsson Research, Sweden
    - Per-Erik Eriksson, Ericsson Research, Sweden
    - Per Ödling, Department of Electrical and Information Technology, Lund University, Sweden
TAOS’ Best Paper Awards (2/2)

◆ The TAOS Best Paper Award in the ICC 2015’s Green Communication Systems and Networks (GCSN) Track, Symposium on Selected Areas in Communications (SAC) is presented to the paper:
  • "On the Impact of Correlated Sampling Processes in WSNs with Energy-neutral Operation"
    ◆ Javier Matamoros, Centre Tecnologic de Telecomunicacions de Catalunya, Spain
    ◆ Miguel Calvo-Fullana, Centre Tecnologic de Telecomunicacions de Catalunya, Spain
    ◆ Carles Antón-Haro, Centre Tecnologic de Telecomunicacions de Catalunya, Spain


TAOS’ Outstanding Service Award

◆ Jaafar Elmirghani
  
in recognition of his leadership and contribution to the area of green communications

Questions?
Other Business?

Meeting Adjourned!