Communication Software Technical Committee

Wednesday Dec 11, 2019, 12 PM – 2 PM
Agenda

- Chair’s Welcome, and Member Introductions
- Approval of the agenda
- Approval of minutes for meetings at ICC19 and GC18
- Approval of new CommSoft TC P&P
- Update on website, e-Letter
- Update on liaisons
- Update on SIG and member activities
- Report on CommSoft TC Supports
  - Conferences
  - Journals and magazines
- Open Call for Participation
- Other business
Chair’s Welcome, and Member Introductions

- **Mission**
  - “The mission of this committee is to advance the state of the art in communications software and its various aspects and applications. It serves as the major forum for discussion among communications software professionals in both of the communications and computer industries.”

- More than 170 members in the mailing list

- Executives for the current term (2019-2021)
  - **Chair** Adlen Ksentini
  - **Vice-Chair** Abdellatif Kobbane
  - **Secretary** Abd-Elhamid M. Taha
GC’18 and ICC’19 Meeting Minutes

- Minutes posted and email sent to TC on on September 6, 2019
- Resent with announcement of this agenda on December 8, 2019
CommSoft TC Revised Policies and Procedures (P&P)

- Revised P&P in line with ComSoc’s revisions.
- Approval required
Update on Website, e-Letter

*Editor: Abd-Elhamid M. Taha*

- **Website**
  - Website maintained and with all TC news and updates posted (minutes, agendas, symposium information, ...)
  - Open for suggestion on usability and ease of access

- **TC e-Letter**
  - Revised format for 2019
  - 2019 second issue underway.
  - Contributions welcome.
Liaisons – Standardization Activities

Liaison: Abd-Elhamid M. Taha

- Presented overview on TC and its interest on ComSoc SDB meeting on their August 30, 2019 meeting
- Interest in TC solicited on October 18, 2019
- Contribution/participation possibilities
  - Contributing to a ComSoc SDB WG
  - Championing an SI in the CommMag standardization series
  - Occasional funding availability for standards-related research/investigations.
- Currently following up and coordinating on interest expressed by members
Liaisons – ComSoc Student Competition

Liaison: Dr. Abdellatif Kobbane

- IEEE Xtrem Competition
  - Proctored, and served as judges and ambassadors,

- IEEE ComSoc Student Competition (led by Prof. Stefano Bregni)
  - 51 projects submitted and evaluated
Liaisons – Education activities

Liaison – Adlen Ksentini

- Participation to the IEEE ComSoc Autumn school in Barcelona
  - More than 38 PhD students and young professional
  - Call for application, selection process
Special Interest Groups (SIGs)

- The VP on Technical Committee confirmed the need that each TC has SIGs
- More precisely, TCB P&Ps states “Special Interest Groups (SIGs) help the TC foster the scientific and technological development in topical emerging technologies within the scope of the TC. SIGs may be created to promote activities in well-established technologies.”
CommSoft TC SIGs

Coordinator – Merwan Ayaida

- Special Interest Group on “Communication softwares for Vehicular AdHoc Networks”
  - Coordinator: Prof. Hacene Fouchal (Hacene.Fouchal@univ-reims.fr)

- Special Interest Group on “NFV and SDN technologies”
  - Coordinator: Prof. Adlen Ksentini (adlen.ksentini@eurecom.fr)

- Special Interest Group on “Security in Software Communication”
  - Coordinator: Dr. Y. Saaverda & Prof. Jalel Ben-Othman (jbo@univ-paris13.fr)

- Special Interest Group on “Big Data and Communication software”
  - Coordinator: Dr. Hassine Moungla (hassine.moungla@parisdescartes.fr)

- Special Interest Group on “Performances Evaluation”
  - Coordinator: Dr. Abdellatif Kobbane (abdellatif.kobbane@um5.ac.ma)
SIG on NFV and SDN technologies

Coordinator – Adlen Ksentini

- JSAC Series on Network Softwarization
  - After two years, the last special issue end of 2019
- IEEE Comsoc Distinguished lecturer on Network Slicing
  - Saudi Arabia
  - Bolivia, Colombia
- IEEE Comsoc Autumn School in Barcelona
- White paper
  - 5GPPP Cloud-Native and Verticals’ services
- Standard
  - MEC 024: Multi-access Edge Computing (MEC); Support for network slicing
SIG on Security
Head: Y. Saaverda & J. Ben-Othman

- 1 SI with IEEE NETWORKS
- Keynote ICCSN 2019, Chongqing, June 2019
- Keynote ICETE 2019, Prague, July 2019
- Keynote ICICM 2019, Prague, August 2019
- IoT & 5G SUMMIT, FES, October 2019
- Seminar at ENSIAS, Rabat, October 2019
- Keynote CCSSP 2020, El Oued, March 2020
- Keynote ICCNP 2020, Lyon, June 2020
SIG on Big Data and Communication software

Coordinator – Hassine Mounsla

- Elsevier Future Generation Computer Systems journal
  • Special Issue on “Information-Centric Network enabler Communication for Internet of Things and communication software ”. 2019-2020

- IEEE WCNC 2019
  • Tutorial co-chair

  • Around Big Data, IoT, Vehicular Communications and Communication software
SIG on Performances Evaluation

*Head: Abdellatif Kobbane*

- WINCOM 29 October-1 November 2019, Fez, Morocco,
  - Track on Performances Evaluation
  - More than 50 submissions

- Seminars by Abdellatif Kobbane on Performances evaluation in 5G Networks in:
  - Faculty of Sciences and techniques, Fez, Morocco in June
  - ENSA, Oujda, Morocco in November
  - IEEE Day at ENSIAS, Rabat, Morocco, in October
SIG on Vehicular AdHoc Networks activities

Head: Hacene Fouchal

- Symposium chair
  - CSSMA Symposium at Globecom 2019

- European projects on Cooperative Intelligent Systems deployment:
  - SCOOP and INERCOR
  - These projects will end December 2019 and Feb 2020
  - Many advances have been observed

- A lot of issues missing for entire interoperability (security, coverage, ...)
  - INDID (Funded from 2019 to 2023)

- Deployment of connected and automated vehicles
  - Multiple networks: ITS G5/LTE/5G
Member Updates – CSM@IWCMC’20

Update by Nizar Zorba

- Workshop on Crowd Sensing and Management (CSM) is collocated with the International Conference on Wireless Communications and Mobile Computing (IWCMC).
- Following the workshop success in 2019, the workshop will be offered again in IWCMC’20 (June 29-July 23, 2020, Cyprus)
- Submission deadline: January 10, 2020
- Workshop website: https://sites.google.com/view/iwcmccsm20/home
Member Updates – SoftCom’19

Update by Dinko Begusic

- International Conference on Software, Telecommunications and Computer Networks (SoftCOM’19), held during September 19-21, 2019 in Split, Croatia
- Featured
  - twenty conference sessions, including five special sessions and three symposia
  - Authors and experts from 30 countries submitted a total 224 papers
  - 104 papers accepted for presentation
- Also, keynotes, workshops, PhD forum, and summer camp for MSC students
- More information can be found at http://softcom2019.fesb.unist.hr/
Member Updates – SoftCom’19

Update by Dinko Begusic
TC Endorsed Conferences

- **WinCom 2019** – The International Conference on Wireless Networks and communications, October, 2019, Fes, Morocco.
- **SmartNets 2019** - International Conference on Smart Applications, Communications and Networking, Sharem Cheikh, Egypt.
TC Endorsed Conferences

- ICC’20, Dublin, May 2020
  - Abd-Elhamid Taha for CSSMA symposium (confirmed)

- GC’20, Tapei
  - Boucif Amar Bensaber for CSSMA symposium (confirmed)

- ICC’21, Montreal, May 2021
  - Adlen Ksentini for CSSMA symposium (confirmed)

- GC’21, Madrid
  - Nominated: Marwan Ayaida
  - Nominated: Najah Abu Ali for NGNI Symposium
TC Endorsed Conferences

- Communication Software, Services and Multimedia Applications symposium (CSSMA), GC 2019
  - Submissions: 121
  - Accepted papers: 50
  - Acceptance rate ~39%

- Communication Software, Services and Multimedia Applications symposium (CSSMA), ICC 2020
  - Submissions: 87
  - Accepted papers – pending
  - Acceptance rate – pending
CSSMA Considerations

- Submissions trend ICC 17 onward...

<table>
<thead>
<tr>
<th>CSSMA@?</th>
<th>ICC 17</th>
<th>GC 17</th>
<th>ICC 18</th>
<th>GC 18</th>
<th>ICC 19</th>
<th>GC 19</th>
<th>ICC 20</th>
</tr>
</thead>
<tbody>
<tr>
<td>Submissions</td>
<td>68</td>
<td>91</td>
<td>84</td>
<td>104</td>
<td>82</td>
<td>121</td>
<td>87</td>
</tr>
</tbody>
</table>

- In CSSMA@ICC’20, efforts made to consolidate TPC between ICC and GC member lists
  - Will work with GC’20 chair to maintain consolidation.
TC Endorsed Conferences

- CommSoft TC is seeking **highly motivated** candidates to be nominated as symposium chairs for CSSSMA and NGNI
- The TC has one chair for CSSMA, and may nominate one chair for the NGNI symposium
- Current open calls for nominations
  - ICC 22 (Seoul, South Korea)
  - GC 22 (Rio de Janeiro, Brazil)
  - ICC 23 (Rome, Italy)
Open Call for Participation

Things to consider ...

- Contribute to the e-Letter
- Champion or contribute to an SI
- Be involved in SIG activities
- Contribute to standardization activities
- Be a liaison
- Be a distinguished lecture
- Advocate and share CommSoft activities
- Publicize TC-sponsored venues
Other Business
Conclusion

- Thank you, and see you in Dublin!