



IEEE Sweden

Vehicular Technology / Communications / Information Theory

Joint (VT/COM/IT) Chapter

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New Era Has Begun for the Chapter

- Michael Lentmaier took over the chair role Oct 21, 2021
 - Chair Oct 2021-
 - Vice chair 2018-2020 (interface to IT Society)
 - Board member 2013-2017
- Tommy Svensson in IEEE Sweden VT/COM/IT Chapter
 - Chair of 2010-Oct 2021
 - Vice chair 2007-2009
 - Board member 2006-2007

Current IEEE Sweden VT/COM/IT Chapter Board

Michael Lentmaier (PhD, Assoc. Prof., Lund University)

- Chair, Membership Development, and Interface to IT Society

Luis Guillermo Martínez Ballesteros (PhD, Ericsson)

- Vice-Chair, Interface to ComSoc, and Industry Activities

Jingya Li (PhD, Ericsson)

- Vice-Chair, Interface to VT Society, and Industry Activities

Danyo Danev (PhD, Assoc. Prof., Linköping University)

- Treasurer, Awards Activities, and Interface to IEEE Sweden

Emil Björnson (PhD, Prof., Royal Institute of Technology (KTH))

- Secretary

Marija Furdek (PhD, Asst. Prof., Chalmers University of Technology)

- Online and Social Media Development

Jafar Banar (PhD Student, Chalmers University of Technology)

- Student Activities and Online and Social Media Development

Mohammad Farsi (PhD Student, Chalmers University of Technology)

Awards Activities and Student Activities

Tommy Svensson (PhD, Prof., Chalmers University of Technology)

- Board member and Interface to IEEE Sweden

Core Activities

- Swedish Communication Technologies Workshop (Swe-CTW)
- Wireless Vehicular Communications workshop
- IEEE Sweden VT-COM-IT Joint Chapter Best Student Journal and Conference Paper Award
- IEEE Distinguished Lecturers Tours (DLTs) and invited distinguished "IEEE Technical Seminars" speakers from academia/industry
- Technical Sponsoring of workshops
- Social media
- Award identifications, nominations, member elevations
- Administrative board meetings, MoMs stored on Chalmers document server

Swedish Communication Technologies Workshop (Swe-CTW)

- Initiated by the IEEE Sweden VT/COM/IT Chapter
 - 2011 Stockholm, 2012 Lund, 2013 Gothenburg, 2014 Västerås (co-located with SNCNW 2014), 2015 Karlstad (co-located with SNCNW 2015), 2016 Mid Sweden University, Sundsvall, 2017 Chalmers University of Technology, Gothenburg, 2018 Linköping University, 2019 Lund University, 20&21 Online mini-version. <http://sites.ieee.org/swe-ctw/>
- Focus on networking for young researchers (PhD students and post docs) in Sweden (and the nordic countries)

Format of Swe-CTW

- The workshop feature tutorials, poster presentations of submitted abstracts, and invited talks by the top nominated papers for
 - IEEE Sweden VT-COM-IT Joint Chapter Best Student Journal Paper Award
 - IEEE Sweden VT-COM-IT Joint Chapter Best Student Conference Paper Award

In Dec 2021 we held Swe-CTW online with presentations of top nominated papers and concluded with a DLT.

Award Promotions and Nominations

- Handed out, in conjunction with Swe-CTW'2021, the 9th
 - IEEE Sweden VT-COM-IT Joint Chapter Best Student Journal Paper Award 2021
 - IEEE Sweden VT-COM-IT Joint Chapter Best Student Conference Paper Award 2021
- All winners are published at <http://sites.ieee.org/sweden-vtcomit/best-student-paper-award/>, so that winners can refer in their CVs.

Activities During 2022

- **Technical seminars and distinguished lectures**
 - 2022-02-11: IEEE Technical Seminar “Wireless Network-Level Energy-Efficiency: Models, Optimization and Machine Learning” by Prof. Eduard Jorswieck of TU Braunschweig, Germany (hybrid)
 - 2022-02-18: IEEE Technical Seminar “Reconfigurable Intelligent Surface for 6G: Communication, Sensing, and Localization” by Prof. Zhu Han, University of Houston, USA (online)
 - 2022-05-11: IEEE VT Society Distinguished Lecture “Nonlinear effects in digital communications: analytical evaluation of their effects and how to use them to improve the performance” by Prof. Rui Dinis, Nova University of Lisbon, Portugal (hybrid)
 - 2022-07-08: IEEE Technical Seminar “Intelligent Reflection and Absorption for Sensing, Interference, and Energy Efficiency” by Prof. Lee Swindlehurst, University of California Irvine, USA (hybrid)
 - Additional Technical online seminars and (v)DLTs from Comsoc/VTS/ITS) are being considered
 - ...

Activities During 2022

- Swe-CTW 2022, in preparation, tentatively Nov 30, with a local host
- Restarting industry seminars program
 - In preparation, first seminar in preparation, tentatively November
- Award identifications and nominations
- Wireless Vehicular Communications workshop 2022, Nov/Dec(?), 2022, under discussion
- Participation at IEEE VT Society Chapter Chairs meeting Sep 28, 2022
 - Recipient of the VT Society Chapter-of-the-Year Award, 2022
- Technical sponsoring of conferences/workshops 2022
 - ...

Sponsoring of Conferences/Workshops 2021

- Swedish 6G workshop - 6G for Society
 - Online, free registration
 - Technical and also financial with 1500 USD from Comsoc
 - Co-sponsored also with Wireless World Research Forum (WWRF)
- ...

Dissemination

- Pending: Invited for to write an article for Comsoc Global Communications Newsletter.
- Tommy Svensson participated in the ComSoc EMEA Region Chapter Chairs Congress 2018 Dec 2018 and presented our Chapter activities.
- Article in VT Newsletter Sep 2018, online: <https://vtsociety.org/2018/09/vts-chapter-profile-ieee-vts-sweden-chapter/>
- Article in IT Newsletter Sep 2017, online: <http://www.itsoc.org/publications/newsletters/september-2017-issue/view>
- Brief contribution related to ITS award to IEEE Sweden Newsletter Sep 2017.
- Article in VTS Newsletter May 2016, online: <http://newsmanager.commpartners.com/ieevts/issues/2016-05-29/1.html>.
- Article in Oct 2015 issue of Comsoc Global Communications Newsletter, online: http://www.comsoc.org/files/Publications/Magazines/gcn/pdf/GCN_2015_10.pdf.
- Michael Mentmaier presented our chapter activities for IT Society during the ISIT June 25-30, 2017.
- Tommy Svensson took part in the IEEE Sweden Section Chapter Chairs meeting in Stockholm, Oct 6, 2016 and presented the IEEE VT/COM/IT Chapter activities.
- Reporting to Comsoc on activities via Comsoc Questionnaire Spring 2017.
- Annual report for 2016 presented during AGM, April 20, 2017.
- Brief contribution related to ITS award to IEEE Sweden Newsletter Sep 2017.

Awards received

- IEEE Communications Society Chapter Achievement Award 2020 and 2021
 - 4 chapters awarded in the world
- IEEE Information Theory Society Chapter of the Year Award 2017
- IEEE Vehicular Technology Society Chapter of the Year Award 2016
- IEEE Region 8 Chapter of the Year Award 2015
 - Large chapter category
- IEEE Communications Society Chapter Achievement Award 2015
 - 4 chapters awarded in the world
- IEEE Communications Society Special recognition award 2013
 - "For long-time achievements in chapter activities and ongoing excellence serving its members".
- IEEE Information Theory Society Chapter of the Year Award 2013
- IEEE Communications Society Chapter Achievement Award 2013
 - 4 chapters awarded in the world
- IEEE Communications Society Chapter Achievement Award 2012
 - 4 chapters awarded in the world
- IEEE Communications Society Chapter Achievement Award 2011
 - 4 chapters awarded in the world

Members

- **AGM 2022:** VT/COM/IT memberships: 325 (VT:67, COM:217, IT:41), (unique members: N/A)
- **AGM 2021:** VT/COM/IT memberships: 325 (VT:71, COM:211, IT:43), (unique members: N/A).
- **AGM 2020:** VT/COM/IT memberships: 329 (VT:65, COM:227, IT:37), (unique members: N/A).
- **AGM 2019:** VT/COM/IT memberships: 337 (VT:65, COM:226, IT:46), (unique members: N/A).
- **AGM 2018:** VT/COM/IT memberships: 492 (VT:101, COM:315, IT:76), (unique members: 331).
- **AGM 2017:** VT/COM/IT memberships: 522 (VT:102, COM:346, IT:74), (unique members: 360).
- **AGM 2016:** VT/COM/IT memberships: 587 (VT:104, COM:403, IT:80), (unique members: 419).
- **AGM 2015:** VT/COM/IT memberships: 723 (VT:121, COM:517, IT:85), (unique members: 536).
- **AGM 2014:** VT/COM/IT memberships: 797 (VT:117, COM:583, IT:97), (unique members: 599).
- **AGM 2013:** VT/COM/IT memberships: 675 (VT:111, COM:474, IT:90), (unique members: 491).
- **AGM 2012:** VT/COM/IT memberships: 848 (VT:127, COM:616, IT:105), (unique members: 630).
- **AGM 2011:** VT/COM memberships: 611 (VT:115, COM:496), (unique members: 506).

Comment 1: There is a drop in members.

Comment 2: There seems to be less members when the AGM is held in the spring (compared to the autumn)