



**IEEE Central Texas Section
2022 Summer/Fall Leadership Planning Meeting
August 27, 2022
San Marcos, TX & Virtual**

Section Committee/Officer Name: Fawzi Behmann

Chapter/Affinity Name: ComSoc/SP/CE & Computer/EMBS

Prepared by: Fawzi Behmann

Vision, Leadership Team



OU Name:

CH05005 - Central Texas Sect Jt. Chap, COM19/SP01/CT08 Austin (160)

CH05006 - Central Texas Section Chapter, C16/EMB18 Austin (400)

Vision/Objectives/2022 Focused Initiatives*

The IEEE ComSoc/Signal Processing/Consumer Technology and Computer/EMBS joint chapters seek to be relevant to the members and technical community by providing **technical meetings with intriguing topics, networking and Community outreach events.**

2022 Theme: "Smart Ecosystem empowered by collaborative technologies"

Leadership Team Size and Profile

Position

Name

Email

Chair	Fawzi Behmann	F.behmann@ieee.org
Vice Chair(ComSoc)	Norma Antunano	normaantu@gmail.com
Vice Chair(Computer)	Hama Ramaswamy	hemaramaswamy@yahoo.com
Treasurer(ComSoc)	Fawzi Behmann	f.behmann@ieee.org
Treasurer(Computer)	Hama Ramaswamy	hemaramaswamy@yahoo.com
Outreach	Norma Antunano	normaantu@gmail.com
Membership Development	Daniel Lewis	dan.lewis@ieee.org
Webmaster	Nitin Garg	nitin.garg@nxp.com
Social Media	Francis Scott	ff283a@sbcglobal.net
Past Chair	Hana Potash	potash@flash.net
ATT Liaison	Eric Zavesky**	ezavesky@research.att.com

(*) Activities remain to be virtual leveraging Distinguished Lecture Program, focused discussion, technical meetings, workshops, networking events, etc.

(**) As of Sep. 10/1/22 Eric can't participate due to other commitment. Explore other alternative

2021 Key Accomplishments to date

Meetings (vTools, Topic, date, vTool (L31) Reporting

Recognitions & Awards

ComSoc President appreciation Award for being ComSoc Regional Director (2020-2021)
ComSoc Austin Chapter Achievement Award for NA (95 Chapters) – 2021
ComSoc NAB Exceptional Service Awards – 2021

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2022 Key Accomplishments to date

ComSoc/Sig Proc. Soc/CTSoc Meetings Planned/Actual

#	Topic Title	Presenter	Hosts	OU	Date
1	The rise of the Quantum Internet: From No-Cloning to Teleportation	Dr. Angela Sara Cacciapuoti, Italy	Prime chapters	CH05005, CH05006	20-Oct
2	Connecting Space Assets to the Internet: Challenges and Solutions	Dr. Mohammad Atiquzzaman, Oklahoma University	8	CH05005, CH05007	6-Oct
3	VDL talk on "AI Based Zero Energy Communication in 6G"	Dr. Sinem Coleri, Turkey	13	CH05005, CH05006, CH06047, CH07016, CH07177, CH03179, CH04027, CH03225, CH03009, CH02140, CH01102, CH07041, CH03186	21-Sep-22
4	Reliable and Scalable Vehicle-to-Everything (V2X) Protocol Design for Intelligent Transportation	Dr. Lin Cai, University of Victoria, Canada	13	CH05005, CH05006, CH06047, CH07016, CH07177, CH03179, CH04027, CH03225, CH03009, CH02140, CH01102, CH07041, CH03187	13-Sep-22
5	Special Double Feature Presentations "Q-carbon as a Field Emission Electron Source" & "Development of Emotion Recognition with ML Techniques and Challenges"	Dr. Ariful Haque, Dr. Damian Valles- Texas State	Prime chapters	CH05005, CH05006	25-Aug-22
6	Chapter Leadership Planning Meeting	Chapter Officers	Prime chapter	CH05005, CH05006	23-Aug-22
7	VDL talk on " Advanced Satellite Networking and IoT Applications "	Prof. Giovanni Giambene, Italy	14	CH03179, R30097, CH03186, CH05005, R30595, CN30595, R30507, R30577, R30535, R30551, R30589, R30517, R30553, CH05006	27-Jul-22
8	First IEEE Next G Summit 2022 (Hybrid)	ACM/IEEE Next G Summit, Full day summit 9-5, ~260 persons	9	CH02140, R2, R1, R10329, CH02009, CH01102, R6, CH05005, R7	14-Jun-22
9	VDL talk on "The Future of smart ecosystem empowered by IoT Collaborative Technologies"	part of IEEE-HKN Experience conference, presenter Fawzi Behmann	2	CH05005, CH05006	10-Jun-22
10	VDL talk on "WCNC 2022 Key Messages and Best of Practices"	Reflection on WCNC 2022, By Fawzi Behmann, Conference Chair	5	CH05005, CH05006, CH05015, CH02009, CH05071	26-May-22
11	Deep and Reinforcement Learning in 5G and 6G	Dr.Melike Erol-Kantarci, from University of Ottawa	9	R30016, CH03225, SBC02198, CH03009, CH01082, CH05006, STB00651, STB01851, CH05005	26-May-22
12	Big Data Privacy: from Networking and Artificial Intelligence Perspectives - Distinguished Lecture	DL Professor Shui Yu, University of Technology Sydney, Australia	7	CH06119, CH06102, CH05005, CH06178, CH06059, CH06155, CH06239	24-May-22
13	ComSoc/SP/CT and Computer/EMBS Chapter - Membership Development Officer Meeting / Planning	Officer Planning meeting on membership development	1	CH05005	4-May-22
14	IEEE ComSoc NY Chapter "Integration of Terrestrial Networks and Extreme Environments: Challenges and Capabilities"	Dr. Mehdi Rahmati, Cleveland State University in Ohio.	43	CH01082, CH01156, CH07093, CH04027, CH05219, CH06087, CH06001, CH07016, CH06102, CH05171, CH05005, CH02009, CH07177, CH06201, CH07161, CH03179, CH01216, CH07009, CH07135, CH10056, CH05247, CH02152, CH01231, CH010164, CH06125, CH01049, CH07127, CH01060, CH07052, CH07045, CH07076, CH07156, CH01072, CH03225, CH02109, CH03009, R10039, CH06005, CH01075, CH02033, CH06221, CH03062, CH03027	29-Mar-22
15	VDL talk on "Advancement of Technology Unleash Great Opportunities for Students – How can IEEE help?"	Presented to Grad students, Fawzi Behmann	6	CH05005, CH05006	15-Feb-22
16	VDL talk on "5G/6G ENABLE EDGE COMPUTING AND EDGE AI"	Presentation to multiple chapters by Fawzi Behmann	6	CH05005, CH03179, CH05006, R30097, CH05005, CH02140, CH03186	13-Jan-22

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12	<u>VDL talk on "5G/6G ENABLE EDGE COMPUTING AND EDGE AI"</u>	Presentation to multiple chapters by Fawzi Behmann	6	CH05005, CH03179, CH05006, R30097, CH02007, CH02009	19-Jan-22

2022 Key Accomplishments to date

Other Activities/Events:

- Leveraged VDL program to maintain service to members virtually. Scale to include 51 DLs and 216 Chapters
- As conference general chair, launched WCNC 2022 conference held in Austin April 10-13, 2022. Positive financials, 832 in attendance (Hybrid), 11 Patrons (Bronze-Platinum), 9 Sponsors/Supporters, Exhibits & Showcase (Hybrid), Compelling Technical & Industry Programs, 71 Technical Sessions (361 published papers), 9 Keynote Speakers, 2 Executive Forums, Dialog with Industry Leaders, 12 Panel Sessions, 7 Industry Presentations, 12 Tutorials, 11 Workshops, Startup Competition, WIE, welcome reception, VIP/OC Dinner, and Conference Banquet,
- Working with Dallas Chapter in holding 1 day Student Conference on April 10.
- Defined advanced feature website for NA that now offers list of current and planned meetings and lectures for anyone to participate, and a section to share news from all chapters about successes, announcements, opportunities..
- Defined chapter vitality check and Trello for tracking across NA on a quarterly basis. Austin will be a pilot chapter connecting to the Regional website.
- Working with the ComSoc, supporting initiatives such as mentoring program, Students/Industry, Preparation for GCCC at Globecom
- Working on sub-committee on improving ComSoc awards application and evaluation criteria.

2022 Chapter Vitality & Help Needed

Chapter Vitality Assessment (Strong, Ok, Need Improvement)

- Setting example within ComSoc in terms of health check, initiatives, recognition. Initiatives: Represent ComSoc to inspire HKN graduate in June, Represent ComSoc at MWC in September and IEEE Conference Committee in October.
- Share best of practices of the success of WCNC 2022 with others
- Leverage VDL/DLT and attract wide attendance from different chapters and sections - inviting speakers from around the world and collaborating with other chapters in hosting event. Impact in greater attendance, diversity of topics, and some opportunities for membership development, volunteer recruitment, etc.
- Contribute with articles and interviews to IEEE Communications magazine
- Explore support to other initiatives/opportunities:
 - Mentoring program, Member Elevation, Student-Industry dialogue panel session, Focused training
- AS a Distinguished Lecturer contribute with **speaking** opportunities to students and several chapters and countries
- Collaborated with **other chapters** in North America for **co-hosting events**.
- Contribute with activities toward student activities and Industry re-engagement

2022 Chapter Vitality & Help Needed

Top Help Needed/Issues

Since the COVID-19-present expenses were minimum.

- Identify site for meeting as AT&T may not be available
- Gradually Virtual Distinguished Lecture (VDL) will move towards Distinguished Lecture Tour (DLT) starting in October
- Other innovative approaches to engage with students industry, and virtual networking to serve members and community at large.
 - Section support to student chapter
 - Reuild ComSoc Austin Student Branch Chapter (Faculty Advisor, Leadership, Activities, Garduate & Undergraduate) – Collaborative support with UT, CTS,
 - Start ComSoc San Marcos Student Branch Chapter
 - Collaboration with Student Branch and other computer student chapters
 - Improve website & Social Media and productivity tools

Plans for 2023?

Growth – Students & Support (Education, Contests, outreach)

Industry Engagement

Connect & Collaborate with other chapters in the region and beyond & IEEE initiatives.

2022 WCNC 2022



CTS Leadership – “Executive” Committee

	Section Chair	Larry Larson
	Vice Chair	Andrew Bluiett
	Manager of Electronic Communications	Dennis Ferguson
	Secretary	Martha Dodge
	Treasurer	Bill Martino
	One of Two Immediate two Past Section Chairs	Fawzi Behmann
	One of Two Immediate two Past Section Chairs	Leslie Martinich
CH05005	Comm/Sig Proc./Cons Tech (COM19/SP01/CE08)	Fawzi Behmann *
CH05006	Computer & EMBS (C16/EMB18)	Fawzi Behmann. *
CH05008	Electromag Compatibility (EMC27)	Jack McFadden
CH05009	PES, PELS, IES, IAS, PSES (PE31,PEL35,IE13,IA34, PSE43)	Ruth Sulzer
CH05069	Photonics (PHO36)	Daniel Wasserman
CH05188	Ckts & Sys/Solid State (CAS/SSC)	Jaydeep Kulkarni
CH05202	Education (E25)	Leslie Martinich. *
CH05220	<i>Ant. Prop. & MW Tech (AP03/MTT17)</i>	<i>Casey Latham</i>
CH05225	<i>Instrument & Measurement (IM09)</i>	<i>Luis Cabeza</i>
CH05230	<i>CEDA44 Council/Electronic Design& Automation</i>	<i>Kevin Nesmith</i>
CH05235	Tech & Engr Mgmt (TEM14)	Leslie Martinich. *
CH05240	SEN39 Sensors Council	Brent Lunceford
CH05250	Tech & Engr Mgmt (TEM14) (UT-Austin Grad)	Suyogya Karki
CH10136	Electron Devices (ED15)	Larry Larson *
CN50005	Consultants Network (CN)	Luis Basto
YP50005	Young Professionals (YP)	Karina Paz
LM50005	Life Member (LM)	Kai Wong
WE50005	Women in Engineering (WE)	Leslie Martinich *
SSR	Section Student Representative (SSR)	Daniel Lewis (TXST)
Quorum 13	* Another Chapter/AG Officer can vote for the Chair. A separate individual is required for each of the vote. 8.29.2018	<i>Inactive</i>

CTS Leadership – “Section” Committee

	Section Chair	Larry Larson
	Vice Chair	Andrew Bluiett
	Mgr./Electronic Communications	Dennis Ferguson
	Secretary	Martha Dodge
	Treasurer	Bill Martino
	Immediate two Past Section Chairs	Fawzi Behmann Leslie Martinich
	Standing Committees	
	Awards and Recognition	Leslie Martinich
	Electronics Communications	Dennis Ferguson
	K-12 Educational Activities	John Purvis
	Membership Development	James Mercier
	Policies and Procedures	Tom Grim
	Professional Activities	Fawzi Behmann
	University Student Liaison	Larry Larson
Quorum 7		

CTS Student Leadership

STB04141	Texas State Branch Chair/President 2021-22	Nick Garrard	ncg36@txstate.edu
STB04141A	Texas State Computer Engr Branch Chapter Chair/President 2021-22	Jessie Smith	j_s817@txstate.edu
STB01971	UT Austin Branch Chair/President 2021-22	Brian Ding	chair@ieeeut.org
SBC01971A	UT-Austin (COM19) Communications		Not active
SBC01971B	UT Austin Branch RAS Chapter Chair/President 2021-22	Ian Krause	ras_president@utlists.utexas.edu
SBC01971C	UT-Austin (PE31) Power & Energy 2021-22	Prarthana Dias	president.ut.ieeepes@gmail.com
HKN023	UT Eta Kappa Nu, Psi Austin 2021-22	Madilyn Sikorski	president@hkn.ece.utexas.edu

CTS Extended Leadership

Other Committees/Coordinators

Committee Chair (K12 STEM)	John Purvis
Conference Chair	Fawzi Behmann
Finance Committee	Kai Wong, John Purvis, Tom Grim
Newsletter Editor	Semih Aslan Dennis Ferguson
Nominations / Appointments Chair	Leslie Martinich
Outreach Program-Corporate	Fawzi Behmann
PACE Chair	Norma Antunano
Professional Activities	Fawzi Behmann
R5 South Chair	Christopher Sanderson
OU Analytics	James Mercier