Social Networks TC Meeting
IEEE ICC 2024

Date: June 10, 2024

Time: 7:30 am – 9:00 am GMT-6

Reminder to Register

- The IEEE ComSoc Technical Committee on Social Networks
- Reminder to write your information in sign-in sheet:
  - ✓ *your name + affiliation + email*

Social Networks TC Meeting Agenda

- Welcome and Introductions
- Scope of TCSN
- Approval of the GC 2023 minutes
- TCSN members, activities, and status
- Newsletter & Journal activities
- Volunteers for the SAC tracks in GCs and ICCs
- TCSN Volunteers
- Special interest groups (SIGs) updates
- Award Policy
- 2023 ComSoc TC Innovation Support
- 2023 ComSoc TC Campaign Video Project
- TCSN Secretary Election
- Adjourn

Technical Committee on Social Networks (TCSN)

- TCSN serves as a forum for researchers and technologists to discuss the state-of-the-art, present their contributions, and foster the development of new emerging topical areas in social networks

- TCSN serves as ComSoc's focal point in the areas of social network, supporting IEEE ComSoc's activities (e.g., ComSoc's journals, magazines, conferences, IEEE standard activities, and the recognition and proposal of candidates) and organizing symposia, workshops, sessions and tutorials at ComSoc conferences

- Nominating suitable candidates for ComSoc and IEEE awards, proposing distinguished lecturer candidates, endorsing deserving candidates for the election to IEEE Senior Member and Fellow grade

TCSN Scope

- Formation and evolution of human social networks
- Information propagation and dissemination in human social networks
- Small world phenomenon and its implication in telecommunication networks
- Convergence of telecommunication networks and human social networks
- Social-aware network solutions in wireless and wireline communications systems
- Cross-layer design for social networks and the underlying communications platforms
- AI for communications and networking
- Optimization and protocol design for mobile social networks
- Network graph modeling, measurements, simulations, and experiments
- Analysis of dynamics and trends in the evolutions of social networks
- Analysis and control of belief, influence, and rumor propagations in social environments
- Analysis of social media, trust, and reputation
- Privacy and security in social network
- Social signal processing
- Data mining, machine learning, information retrieval, and artificial intelligence in social contexts
- Infrastructure, platform, protocol design, and optimization for mobile social clouds and social internet-of-things
- Innovative applications in social networks and services for mobile internet, multimedia networks, mobile e-commerce, and cyber-physical systems
- Multidisciplinary and interdisciplinary research on social networks
- New applications and services

Approval of the IEEE GC 2023 minutes

- IEEE ComSoc Social Networks Technical Committee https://sn.committees.comsoc.org
- Approval of GC 2023 meeting minutes https://site.ieee.org/comsoc-sn/files/2024/06/TCSN_MeetingMinutes_GC23.pdf
- Motion:
  - Second:
  - Voting:

TCSN Members

- Any IEEE ComSoc member, who has been active in the TC activities for the **past three years**, can be a member of the TCSN. Also, it is necessary to subscribe to the TCSN mailing list

- A TC member shall attend (physically present or by teleconference) **three or more of the prior six** regular scheduled TC meetings for the **past three years**, cast informed votes on TC business, and be encouraged to assist in the conduct of TC business

- Individuals who are not ComSoc members may participate in TC activities as collaborators

DL/Keynote/Invited Talks, Panels, Recognitions, Conference Organizations

Prof. Damla Turgut, University of Central Florida

- Pegasus Professor, University of Central Florida, 2024 [Highest Faculty Recognition at UCF]
- IEEE ComSoC Distinguished Lecturer, 2021-2025
- IEEE ComSoC Women in Engineering (WIE) Distinguished Lecturer, 2024
- Editor-In-Chief, Computer Communications (Elsevier), Jan. 2024 – present
- Guest speaker at FSW Women In STEM Association, March 5, 2024
- Invited talk: “Privacy in smart healthcare,” WPMC 2023
- Invited talk: “Bringing privacy into the picture: new optimization goals for ML/AI in smart environments,” at the Colorado State University, November 1, 2023
- IEEE Comsoc Distinguished Lecture: “I Did Not Sign Up for This: Limited Sharing in Privacy-Aware Smart Environments,” hosted by New Jersey Institute of Technology, February 23, 2024
- TPC Co-Chair, IEEE SmartGridComm 2024
- One of the co-organizers of N2Women and WICE Workshop, Globecom 2023

DL/Keynote/Invited Talks, Panels, Recognitions, Conference Organizations

Prof. Burak Kantarci, University of Ottawa

- IEEE Communications Software Technical Committee 2023 Technical Achievement Award for contributions to “AI/ML-enabled communication network security and trustworthy sensing systems for the Internet of Things”
- Best Student Paper Award in IEEE Virtual Conference on Communications (VCC 2023)
- Invited Speaker: “AI-Driven Security of Connected and Autonomous Vehicles in Challenged Settings: B5G and at the dawn of 6G”, Wireless World Research Forum (WWRF) Huddle 2024 Workshop on Shaping the Future of CAVs: the Role of 6G, AI, Machine Learning and Io
- Panelist in IEEE ANTS 2023
  - Machine Learning in Future Wireless Networks: A Major Revolution or a Small Evolution?
  - AI/ML-Enabled Connected Vehicles in the Era of 6G
- General chair, IEEE WF-IoT 2024
- General Chair, Workshop on Machine Learning and Deep Learning for Wireless Security, IEEE Globecom 2024
- Symposium Chair, IEEE ICNC 2025: AI and Machine Learning for Communications and Networking (AMCN)

DL/Keynote/Invited Talks, Panels, Recognitions, Conference Organizations

Prof. Abderrahim Benslimane, Avignon University

- IEEE Vehicular Technology Society Distinguished Lecturer, 2020-2024
- Keynote: Internet of Things: Monitoring and optimization challenges for Security issues, IEEE IRASET 2024
- Keynote: Monitoring Internet of Things: challenges and optimizations, EAI SGIOT 2023
- IEEE VTS Distinguished talk: "Monitoring Internet of Things: challenges and optimizations", IEEE Leadership Summit, IEEE Education Society, Oct. 2023
- Steering Committee Chair, IEEE Wimob 2024
- Symposium Chair, IEEE ICNC 2024
- Track Chair, IEEE WPMC 2023

Dr. Neeli Prasad, SmartAvatar B.V./TrustedMobi "VehicleAvatar Inc."

- Plenary Session Talk: The Human-AI Collaboration: Navigating the Ethical and Digital Privacy Challenges of the Digital Age, COMS2, 2024
- Keynote speech: the Human-AI Collaboration: Navigating the Ethical and Digital Privacy Challenges of the Digital Age, CONASENSE Workshop, IEEE WPMC 2023
- Panelist at the 2nd Workshop on Enabling Security, Trust, and Privacy in 6G Wireless Systems, IEEE ICC 2024
- Treasurer, IEEE Women-in-Engineering Committee (WIE), 2024
- Professional Networking & Mentorship Chair, IEEE Vehicular Technology Society
- TPC Co-Chair, Workshop on 6G for Connected and Immersive Intelligence, IEEE WCNC 2024
- TPC Co-Chair, IEEE WPMC 2023

DL/Keynote/Invited Talks, Panels, Recognitions, Conference Organizations

Prof. De-Nian Yang, Academia Sinica

- PC Chair, PAKDD 2024
- SIoA Workshop Chair, IEEE Wimob 2024
- Track Chair, IEEE WPMC 2023

Prof. Eirini Eleni Tsiropoulou, Univ. of New Mexico

- Research and Creative Works Leader Award, UNM, 2023
- Steering Committee Member, IEEE HPSR 2023-2025
- Mentor, YP mentoring session in ICC 2024
- Track Chair, IEEE WPMC 2023

DL/Keynote/Invited Talks, Panels, Recognitions, Conference Organizations

Prof. Jelena Misic, Toronto Metropolitan University

- IEEE Vehicular Technology Society Distinguished Speaker, 2017-2024
- Invited talk: Deploying Proof of Stake and Delegated Proof of Stake consensus protocols for blockchains in IoT environments, IEEE ICNC 2024

Prof. Patrikakis Charalampos, University of West Attica

- IEEE Computer Society Distinguished Visitor, 2023-2025
- ITiP Symposium Chair, IEEE COMPSAC 2024
- Panelist, IEEE ICDAS 2023
- Editor In Chief, IEEE IT Professional Magazine
- Chairman of the Technology Transfer, Innovation and Start-up Entrepreneurship Committee, University of West Attica

TCSN Status

- Mail list
  - Currently: 1213 members subscribed through mailing list
- Website:
  - https://listserv.ieee.org/cgi-bin/wa?SUBED1=IEEESTC&A=1
- Interaction with members by means of:
  - Mailing list IEEESTC@LISTSERV.IEEE.ORG
- To subscribe
  - https://listserv.ieee.org/cgi-bin/wa?SUBED1=IEEESTC&A=1
- Social media

@IEEEComSoc_TCSN

IEEE ComSoc Social Networks Technical Committee

IEEE ComSoc Social Networks Technical Committee

Journal Activities

- Special Issues
  - IEEE Open Journal of the Communications Society
    - ✓ Industrial Communication Networks (ICNets) for Industry 5.0
    - ✓ Topic of interest: Virtualization techniques (**Metaverse** and Digital Twin) for ICNets
    - ✓ Guest editors: Kapal Dev (Lead), Luca Foschini, Cedric Westphal, Chih-Lin I, Sunder Ali Khowaja
    - ✓ Manuscript Submission Deadline: 31 December 2024
    - ✓ Publication Date: Third Quarter 2025
  - IEEE Open Journal of the Communications Society
    - ✓ Emerging Modulation Techniques Towards 6G Networks
    - ✓ Topic of interest: Advanced ISAC waveform design for 6G, which is a key enabler for next-generation applications like **metaverse** and robotics
    - ✓ Guest editors: Miaowen Wen (Lead), Tianqi Mao, Ertugrul Basar, Gunes Karabulut-Kurt, Zhaocheng Wang, Naofal Al-Dhahir
    - ✓ Manuscript Submission Deadline: 31 August 2024
    - ✓ Publication Date: Fourth Quarter 2024

Journal Activities

- Special Issues
  - IEEE Networking Letters
    - ✓ Special Issue on Advances in AI for 6G Networks
    - ✓ Topic of interest (network context): internetworking and Internet of things; virtual, overlay, and online **social** networks, etc.
    - ✓ Guest editors: Hatim Chergui (Lead), Kamel Tourki, Jun Wu
    - ✓ Manuscript Submission Deadline: 31 July 2024
    - ✓ First Round of Decision Notification: 31 August 2024
    - ✓ Final Decision: 30 September 2024
    - ✓ Final Manuscript Due: 15 October 2024
    - ✓ Target Publication Date: Fourth Quarter 2024
  - IEEE Network
    - ✓ Edge Intelligence in 6G Networks
    - ✓ Topic of interest: Edge intelligence for emerging 6G applications such as autonomous driving, XR, volumetric video streaming, **metaverse**, GPT-like intelligent assistant, digital twin, smart health, law enforcement, and transportation.
    - ✓ Guest editors: Wei Gong, Yifei Zhu, Edith C.H. Ngai, Jiangchuan Liu, Urs Hengartner
    - ✓ Submission Deadline: 1 July 2024
    - ✓ Initial Decision: 1 October 2024
    - ✓ Revised Manuscripts: 1 November 2024
    - ✓ Final Decision: 1 December 2024
    - ✓ Final Manuscripts: 10 December 2024
    - ✓ Publication Date: January/February 2025

Journal Activities

- Special Issues
  - IEEE Open Journal of the Communications Society
    - ✓ Challenges and Opportunities in **Metaverse**-based Communication and Networking
    - ✓ Topic of interest: Computing in the network for the **Metaverse**; Information-centric **Metaverse**
    - ✓ Guest editors: Muhammad Atif Ur Rehman (Lead), Spyridon Mastorakis, Pietro Manzoni, Waqas Khalid, Byung Seo Kim, Tooska Dargahi
    - ✓ Submission Deadline: 30 April 2024
    - ✓ Publication Date: Third Quarter 2024
  - IEEE Transactions on Network and Service Management
    - ✓ Networks, Systems and Services Operations and Management through Intelligence
    - ✓ Topic of interest: **Social** and communication networks analysis
    - ✓ Guest editors: Nur Zincir-Heywood (Lead), Alberto Leon-Garcia, Robert Birke, Hanan Lutfiyya, Elias Bou-Harb, Deepak Puthal, Hossam Hassanein, Abdallah Shami, Takeru Inoue, Natalia Stakhanova, Neeraj Kumar
    - ✓ Submission Deadline: 20 June 2023
    - ✓ Publication Date: March 2024

Journal Activities

- Special Issues
  - IEEE Transactions on Network Science and Engineering
    - ✓ Next-generation Traffic Measurement with Network-wide Perspective and Artificial Intelligence
    - ✓ Topic of interest: Network-wide and/or AI-powered traffic measurement for online **social** networks
    - ✓ Guest editors: He Huang (Lead), Haipeng Dai, Shigang Chen, Amirhosein Taherkordi, Ran Ben Basat, Jun (Jim) Xu
    - ✓ Submission Deadline: 15 January 2023
    - ✓ Revised Manuscripts Due: 1 June 2023
    - ✓ Publication Date: April, 2024
  - IEEE Journal on Selected Areas in Communications
    - ✓ Human-Centric Communication and Networking for **Metaverse** over 5G and Beyond Networks
    - ✓ Topic of interest: Human-attention-aware content delivery in **metaverse**; crowdsensing and analytics of user behavior data in **metaverse**
    - ✓ Guest editors: Peng Li (Lead), Mehrdad Dianati, Song Guo, Nirwan Ansari, Lin Cai
    - ✓ Submission Deadline: 15 March 2023
    - ✓ Publication Date: February, 2024

Newsletters

- Newsletters
  - Twice a year (ICC and Globecom)

- Editors:
  - Issue no. 1: Damla Turgut
  - Issue no. 2: Neeli Prasad
  - Issue no. 3: De-Nian and Damla
  - Issue no. 4: Valeria Loscri and Anna Maria Vegni
  - Issue no. 5: De-Nian, Neeli, and Damla
  - Issue no. 6: De-Nian, Neeli, and Damla
  - Issue no. 7: De-Nian, Neeli, and Damla
  - Issue no. 8: Anna Maria Vegni
  - Issue no. 9: Anna Maria Vegni
  - Issue no. 10: De-Nian, Damla, and Burak
  - Issue no. 11: Claudio Marche
  - Issue no. 12: Claudio Marche
  - Issue no. 13: Claudio Marche

Volunteers for Future Conferences

- ICC/GLOBECOM
  - ICC 2023 Rome, Italy
    - ✓ Rep: De-Nian Yang
  - GC 2023 Kaula Lumpur, Malaysia
    - ✓ Rep: Burak Kantarci
  - ICC 2024 Denver, USA
    - ✓ Rep: Eirini Eleni Tsiropoulou
  - GC 2024 Cape Town, South Africa
    - ✓ Rep: Anna Maria Vegni
  - ICC 2025, Montreal, Canada
    - ✓ Rep: Valeria Loscri
  - GC 2025, Taipei, Taiwan
    - ✓ Rep: De-Nian Yang
  - ICC 2026, Glasgow, Scotland
    - ✓ Rep: Abderrahim Benslimane
  - GC 2026, Macao
    - ✓ Rep: TBD

TCSN Volunteers Needed

- Information Officers: (volunteers needed and please contact Damla.Turgut@ucf.edu with subject IEEE ComSoc TCSN volunteers)
  - Web: De-Nian Yang (Academia Sinica)
  - Newsletters: Claudio Marche [Twice a year at ICC and Globecom]
  - Membership development: Eirini & Burak
    - ✓ Will continue to work on increasing the membership
    - ✓ We have 1213 members
  - Awards Committee
    - ✓ We are close to finalizing our draft
  - Industry liaison: Charalampos Patrikakis
    - ✓ Industry and other related projects
  - Liaison to ComSoc Standardization Board: Charalampos Patrikakis
  - Liaisons to TCBD: Shui Yu (University of Sydney)
  - Marketing: Neeli Prasad and De-Nian Yang

Special Interest Groups

- Call for Interest in SIG creation
  - If interested to create other relevant SIG, please contact the TCSN Officers
    - ✓Scope
    - ✓Activities
    - ✓Liaison with other TCs
  - TCSN support on SIG activities
    - ✓Technically (co-)sponsor workshops and conferences
    - ✓Promote seminars/talks
    - ✓Organize special issues in journals

SIoA SIG: Social Internet of Anything

SIG Officers

- Chair: Anna Maria Vegni, Roma Tre University, Italy
- Co-Chair: Valeria Loscrì, INRIA Lille, France
- Senior Advisor: Abderrahim Benslimane, University of Avignon, France

SIG Scope – *short description*

The Social Internet of Anything Special Interest Group (SIoA SIG) of the IEEE Technical on Social Networks (SN) promotes research and development in emerging area of social networking applied to communication networks, ranging from traditional IoT networks, including Internet of Vehicles, Internet of Flying devices, Internet of Medical devices, till Internet of People, where social features are relevant and exploitable for communication and networking purposes.

SIoA SIG: Social Internet of Anything

SIG Topics

The main technical topics of SIoA are the following, but not limited to:

- Social network analysis applied to communication networks
- Security and privacy issues in Social Internet of Anythings
- Connectivity management ruled by social features
- Machine learning for Big Data analytics in social Internet of Anythings
- Integration of social aspects in traditional ad-hoc networks
- Small-world theory applied to Social Internet of Anythings
- Cross-layer design of communication networks and social networks
- Epidemic social network analysis for pandemic contension
- Social networking for contact tracing, location and tracking
- Social Data and multimedia communication and privacy

TC Innovation project

SocMeta – Social networking in Metaverse

- Anna Maria Vegni, Roma Tre University, Italy
- Valeria Loscrì, INRIA Lille, France
- Adberrahim Benslimane, University of Avignon, France

Main objective

We will focus on how the Metaverse will revolutionize the existing social networking features, applied to different contexts, from Social Internet of Things to Vehicular Social Networks, as well Online Social Networks.

Main tasks

Task 1. Definition and analysis of social networking features in Metaverse

Task 2. Definition of a new framework for integrated Metaverse with traditional online social networks

Task 3. Cross-layer design and inter-operability between communication networks and social networks in AR/VR scenarios

Task 4. Analysis of security and trustworthiness issues of nodes in AR/VR

SocMeta project

SocMeta main topics

- Features of social networking in Metaverse
- Social networking for AR/VR/XR
- Security and privacy issues in Metaverse
- Definition of a framework for integrated Metaverse with traditional online social networks
- Analysis of social networking features among Digital Twins
- Issues arisen by the overlapping of physical world with virtual and extended world

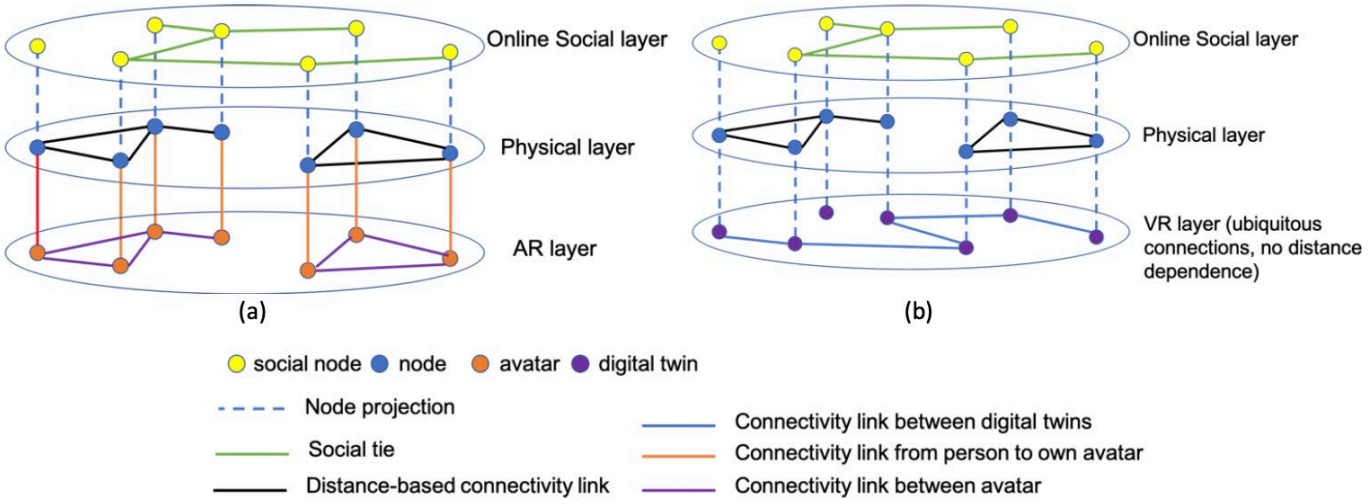


Figure 1. Overlapping network layers from physical to the online social layer, and the Metaverse in the form of (a) AR and (b) VR layer.

SocMeta project

- The **First Workshop on Social Networking in Metaverse** has been hosted by Roma Tre University, on December 2023

First workshop on Social Networking in Metaverse

IEEE ComSoc IEEE Communications Society — Social Networks Technical Committee

Metaverse, Metastability and Beyond

Dr. Tania Lorido-Botran
Roblox, USA

Abstract: Roblox Metaverse supports an impressive 55M daily users. The underlying infrastructure is geographically distributed, with multiple edge data centers in all continents. The Metaverse stack consists of multiple layers of software systems, with complex dependencies that can be represented as a DAG (Directed Acyclic Graph) or a multi-layered queueing system. In short, the concept of Metastability happens when each moving part of the stack works in harmony. In contrast, a Metastable failure results from a trigger originating in some part of the stack that cascades through multiple dependencies to finally affect a third-party system. Such kind of failure has large-scale consequences and can deem the overall stack unusable. This talk will deep-dive in the characterization (or absence) of metastability based on a queueing theory model and analyze the dynamics that can lead to different flavors of system-wide failures. Furthermore, the model will be used as the basis to (mathematically) devise measures for the early detection of failures and explore fault-tolerance measures that ensure metastability.

Bio: Dr. Tania Lorido-Botran is a full time research scientist at Roblox, where she leads several efforts at the intersection of Machine Learning and Distributed Systems. Prior to that, she worked at Microsoft and the Pacific Northwest National Laboratory. Dr. Lorido-Botran holds a PhD from University of Deusto with a Cum Laude Distinction. She is very active within the research community: invited keynotes (ACM DEBS´23, HotCloudPerf´23, BDCAT'22), doctoral symposium co-chair (ACSOS´23), session chair (ACM DEBS'23), panelist (HotCloudPerf'23), PC member (CCGRID´23, DEBS´23, HotCloudPerf'23, etc). Her research interests include ML for Systems, data center sustainability and fault tolerance.

Register here

December 22, 2023 – 10 am CET – Roma Tre University

First workshop on Social Networking in Metaverse

IEEE ComSoc IEEE Communications Society — Social Networks Technical Committee

Metaverse, Online Social Media and Networks

Prof. Silvia Giordano
SUSPI, Switzerland

Abstract: Metaverse, in addition to its virtual features, is a full-fledged social media: It integrates in the virtual space: chat and encountering features, gaming, co-working and befriending and many other social activities. Thus, it inherits the very same business model of social media, grounded on users engagement and (mis-)information spread. In social media, users leave digital footprints on a daily basis, and this makes more easy to spread harmful content and attack their privacy. All such risks – like privacy, security, profiling, harmful content, etc. – are already present in the current metaverse, but we can expect that this negative situation would be further amplified with the immersive and massively interconnected multiverses, such as the one envisioned by Meta.
When using the virtual reality equipment, the digital footprint of a user is enormously bigger and even more in the spotlight as, not only user's exchanged data and profile, but also its behavior and physical data (movement, body, etc.) are exposed and accessible to attacks. Which new issues is raising the metaverse? How can we face the known and unknown challenges? We have seen that the reluctance of social media companies to mitigate digital footprint related risks and the lack of transparency in their moderation policies have led to calls for regulation of social media platforms. This need of regulation is even more paramount in the new social media virtual space of metaverse.

Bio: Prof. Silvia Giordano, Ph.D. from EPFL, is at SUPSI University in Lugano, Switzerland since 2003. She is the head of the Trustworthy and Security group and of the Complex Systems research Area and direction member of the SUPSI Strategic Research Group. She is CNR associate researcher, and Distinguished professor at Tianjin University. Her research interests include Social Computing, Pervasive Computing and Networking, Security and Privacy, Industry4.0, MANETs, QoS and Traffic Control. She is IFIP-WG6.3 chair, ACM Distinguished Committee chair 2021, ACM Distinguished Scientist 2014, ACM Stars in Computer Networking and Communications 2017..

Register here

December 22, 2023 – 10 am CET – Roma Tre University

SocMeta – IEEE Student Competition

- **FIRST PRIZE**
  - Hongyang Du, Yinqiu Liu, Guangyuan Liu, Yao Qu (Nanyang Technological University, Singapore), «Enhancing Metaverse Social Networking via User-Centric Artificial Intelligence-Driven Eyewear»
- **SECOND PRIZE**
  - Cheng Su, Xuxuan Zheng, Peiming Zhong (Guangdong University of Technology, China), Hongyang Du, Minrui Xu (Nanyang Technological University, Singapore), «Customized Avatars for Social Networking in Mobile Metaverses»

TC Innovation project (extension)

- **Security and Privacy for Social networking in Metaverse (SocMeta) TC Innovation Project**
  - Adberrahim Benslimane, University of Avignon, France
  - Anna Maria Vegni, Roma Tre University, Italy
  - Valeria Loscrì, INRIA Lille, France
  - De-Nian Yang, Academia Sinica, Taiwan

Main objective

- The technical objectives of the project extension is to deal with security and privacy issues in Metaverse. We enumerated some security issues such as data privacy, data integrity, interconnectivity risk, network security and authentication and access control.
- Trust in Metaverse/XR is a critical aspect as it influences how the XR is perceived, utilized, and accepted by various stakeholders.
- Blockchain technology has the potential to contribute to the security and privacy aspects of
- Social Metaverse, but its scalability issue needs to be addressed.

Main activities

- **Activity 1.** Establish an agenda/schedule and collect the expert contributors to edit an IEEE book on the topic of the project, or an IEEE special issue,
- **Activity 2.** Organization of the second 2024 international Workshop on Social Networking in Metaverse (SocMeta) focusing on security, trust and privacy topics.
- **Activity 3.** Organization of the second 2024 SocMeta IEEE ComSoc SNTC Student Competition. An established jury of IEEE experts will select innovative implementations and one grant will be awarded for the best.

ToSN SIG - Special Interest Group on Trustworthiness on Social Networks

The Trustworthiness on Social Network interest group established aiming to:

- identify the trust vulnerabilities and opportunities in existing and future social networking technologies.
- examine the design and usage factors that influence societal perceptions of trustworthiness of social networking platforms and of their business models.
- seek partnerships with commercial, funding, research, and regulatory bodies that may provide input and feedback on the group's activities.
- create a framework for trustworthiness in social networks through science-societal co-creation.

Results to be reported

- Collaboration with VERITY project, in order to get input from the results of the project and also exploit the possibilities for contributions by the SIG
- Examined the possibility of collaboration with Special Interest Group on Social Internet of Anything (SIoA SIG) in submitting a proposal in 2024 ComSoc TC Innovation Project Program (decided not to proceed due to limited time but will investigate potential for collaboration in the future)
- Submission of a (successful) proposal in 2024 ComSoc TC Innovation Project Program
- Newsletter contribution “IS SOCIAL MEDIA ALLY OR ADVERSARY IN CHALLENGING PEOPLE’S TRUST IN SCIENCE?”, contributed June 2024

IS SOCIAL MEDIA ALLY OR ADVERSARY IN CHALLENGING PEOPLE'S TRUST IN SCIENCE?

Exposure to misinformation

Despite a high percentage of trustworthy sources being shared, users were exposed to a high amount of untrusted messages (especially during the initial period represented by the data, i.e., the initial period of vaccination).

Trustworthy vs. Untrustworthy messages

During the wider period of vaccination, impactful messages varied, with trustworthy sources spreading widely despite low followers, while untrustworthy messages showed comparatively lower interest.

Community Detection

Individuals interacting with untrustworthy messages tipically have fewer connections on social media platforms, gravitating towards singular sources. Those engaging with trustworthy messages demonstrated a tendency to engage with a variety of sources.

Political Factor

Findings showed that trustworthy sources appeared politically neutral, while influencers in the untrustworthy network leaned to have stronger political affiliations.

Social Media vs. Traditional Media

Social media users that usually received scientific information through social media, had a tendency to believe in misinformation (rather than users who received scientific information through other traditional sources).

Proposal for trustworthiness in Online Social Networks

- Submitted in 2024 ComSoc TC Innovation Project Program
- Funded May 2024
- The approved amount is $5,500
- Objectives:
  - Installation and configuration of the Mastodon social network instance
  - Communication and dissemination strategy implementation (for announcing and expanding the network)
  - Conducting webinars
- Invitation to TCSN members to participate in the implementation

Please contact Panagiotis Monachelis pmonahelis@uniwa.gr

Invitation to TCSN members to participate in the implementation of the TC Innovation Project

- Addressed to members of the ToSN
- Register to the Mastodon instance
- Contribution to webinars (ideas, proposals participation)

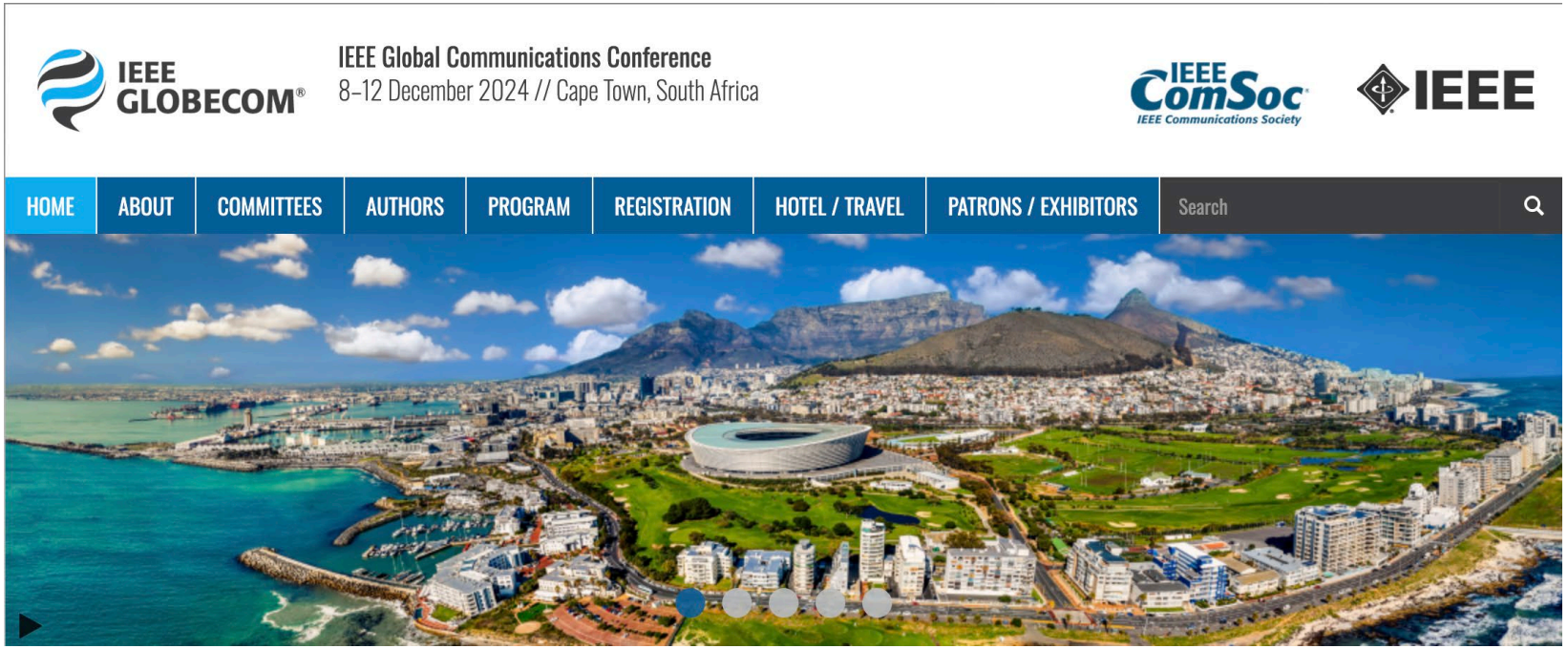
Please contact Panagiotis Monachelis
pmonahelis@uniwa.gr

TCSN Officers

- Chair: De-Nian Yang, dnyang@iis.sinica.edu.tw
- Vice-Chair: Burak Kantarci, burak.kantarci@uottawa.ca
- Secretary: Abderrahim Benslimane, abderrahim.Benslimane@univ-avignon.fr

Next Meeting

- Next TCSN meeting at GC’24, Cape Town, South Africa. See you then!



Reminder to Register

- The IEEE ComSoc Technical Committee on Social Networks
- Reminder to write your information in chat:
  - ✓ *your name + affiliation + email*

Motion:
Second:
Voting:
Thanks for attending and see you in next TCSN meeting at GC 2024!

ADJOURN &
THANK YOUR ATTENDANCE