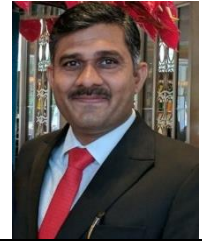


Curriculum Vitae (CV)



Name:

- First Name – SHRIKANT
- Family Name – TANGADE

Professional Experience:

Date	Designation	Organization
06/03/2023 to Present	Adjunct Professor*	University of Padova, Italy (*School of Law, contract)
01/12/2022 to Present	Postdoctoral Research Fellow	University of Padova, Italy (SPRITZ Research Group)
27/01/2022 to Present	Associate Professor	CHRIST (Deemed To Be University), Bangalore, India
01/06/2020 to 20/01/2021	Associate Professor	REVA University, Bengaluru, India
01/06/2015 to 01/05/2020	Senior Research Associate	Wireless Information Systems (WiSe) R&D Lab, REVA University, Bengaluru, India
01/12/2011 to 01/05/2020	Assistant Professor	REVA University, Bengaluru, India
01/12/2011 to 10/12/2014	Research Associate	REVA University, Bengaluru, India
01/08/2010 to 01/11/2011	Project Assistant	Indian Institute of Science (IISc), Bengaluru, India (Photonics R&D Lab)

Education:

- Doctor of Philosophy (Ph.D.)
Faculty of Electrical & Electronics Engineering
Sciences, Visveswariah Technological University
(VTU), Belagavi, India. 01/11/2014 to 08/02/2020
- Master of Technology (M.Tech.)
Computer Network Engineering,
Ramaiah Institute of Technology (MSRIT), Bengaluru
Visveswariah Technological University (VTU),
Belagavi, India. 01/08/2008 to 01/07/2010
- Bachelor of Technology (B.Tech.)
Computer Science and Engineering,
R. V. College of Engineering, Bengaluru
Visveswariah Technological University (VTU),
Belagavi, India. 01/08/2004 to 01/07/2008

Research, Teaching, and Programming Skills:

- Research interests: Security and Privacy (Cybersecurity), Blockchain, Vehicular Security (VANETs, IoV and UAS), Solid Pods, IoT, and ML.
- Teaching: Cryptography and network security, Blockchain technology and smart contracts, Computer networks, Mobile computing, and Programming languages
- Programming languages: C, C++, Java, C#, and Python

Research Index:

- Researcher unique identifier, ORCID: <https://orcid.org/0000-0001-5919-3271>
- Scopus Id: <https://bit.ly/scopusid-sst>
- Google scholar: <https://bit.ly/googlescholar-sst>
- Google scholar Citations: 650

Research expeditions:

- SPRITZ Security and Privacy Research Group, University of Padova, Italy
Postdoctoral Research Fellow, 01/12/2022 to Present
The project: “Enhancing CAPTCHAs for User Fun and Profit”, supervisor Prof. Mauro Conti.
- IEEE Standard Working Group (WG), IEEE, United States
Secretary and project member, 25/09/2019 to Present
The scope of this project is Vehicle to Vehicle Communications (V2V) standard for Unmanned Aircraft System (UAS).
- Wireless Information Systems (WiSe) Research Laboratory, REVA University, India
Research Associate, 01/12/2011 to 01/05/2020
Research Assistant and Research Scholar, 01/12/2011 to 10/12/2014
- Photonics Research laboratory, Indian Institute of Science (IISc), Bengaluru, India
Research Assistant, 01/08/2010 to 01/11/2011

Patent:

- S. Tangade, S. S. Manvi, P. Vijapur, "Connection of Things (CoT) based Smart Add-On Plug Version-1 for Home/Office Automation", App. No. 201741008756, Published in Indian patent journal on 09/03/2018, under examination (03/09/2021).

Participation in industry innovation:

- *BMW Summer School-2016 Grant & Participated in BMW Summer School-2016, Munich, Germany, 18/07/2016 to 23/07/2016.* Eurecom and BMW Research & Technology were organized, alongside the Technical University of Munich and with the support of the Franco-Bavarian Centre for University Cooperation, a summer school for PhD students and young researchers on the topic of "Cars as a service – creating tomorrow's smart mobility service platform".

Publications:

A. Q1 Rated International Journals: 3 Papers

- S. Tangade, S. S. Manvi, and P. Lorenz, "Trust Management Scheme Based on Hybrid Cryptography for Secure Communications in VANETs", IEEE Transactions on Vehicular Technology, Vol. 69, No. 5, May. 2020. (Cited - 51 & Impact factor of Transaction: 6.239)
- S. Tangade, S. S. Manvi, and P. Lorenz, "Decentralized and scalable privacy-preserving authentication scheme in VANETs", IEEE Transactions on Vehicular Technology, Vol. 67, No. 9, pp. 8647-8655, Sept., 2018. (Cited - 79 & Impact factor of Transaction: 6.239)
- S. S. Manvi and S. Tangade, "A survey on authentication schemes in VANETs for secured communication", Elsevier Journal on Vehicular Communications, vol. 9, pp. 19-30, Jul. 2017. (Cited - 291 & Impact factor of Transaction: 8.373)

B. Scopus/WOS indexed International Journals: 2 Papers

- S. Tangade, Ashwini P, Amareshwar Karatagi, Shubham R, Babu Peter R, Keerthi Bai N, "Corporate pooling eco-friendly system (CPES)", International Journal of Contemporary Architecture, vol. 8, no. 1, Jun. 2021.
- Abhishek G Athreya, Bhuvanesh C Korlahalli, Bharath Y, Hrithik M, S. Tangade, "Roadway traffic analysis scheme using Unmanned Aerial Vehicle based on image processing and edge computing", Turkish Journal of Computer and Mathematics Education, vol. 12, no. 12, May 2021.

C. International Book Chapters: 1 Book Chapter

- S. Sunilkumar, S. Tangade, "Blockchain-Based Authentication and Trust Computation Security Solution for Internet of Vehicles (IoV) ", Applications of Blockchain and Big IoT Systems: Digital Solutions for Diverse Industries (E1), Taylor & Francis, pp. 157-177, Aug. 2022.

D. International Conferences: 20 Papers

- S. Tangade, R. A. Kumaar, S. Malavika, S. Monisha, F. Azam, "Detection of Malicious Nodes in Flying Ad-hoc Network with Supervised Machine Learning", in 2022 Third International Conference on Smart Technologies in Computing, Electrical and Electronics (ICSTCEE), pp. 1-5, Dec. 2022.
- V. Shalini, S. Tangade, P.K. Prajna, J.P. Sangeetha, F. Azam, G.L. Anoop, "Real-time Litter Recognition Using Improved YOLOv4 Tiny Algorithm", in 2022 IEEE 2nd Mysore Sub Section International Conference (MysuruCon), pp. 1-5, Oct. 2022.
- F. Azam, A. Biradar, N. Priyadarshi, S. Kumari, and S. Tangade, "A Review of Blockchain Based Approach for Secured Communication in Internet of Vehicle (IoV) Scenario," in Proc. 2021 Second International Conference on Smart Technologies in Computing, Electrical and Electronics (ICSTCEE), pp. 1-6, Feb. 2022. (Cited - 5)
- F. Azam, A. Biradar, N. Priyadarshi, S. Kumari, D. Almakhlles and S. Tangade, "A Framework for Secured Dissemination of Messages in Internet of Vehicle (IoV) Using Blockchain Approach," 2021 IEEE International Conference on Mobile Networks and Wireless Communications (ICMNBC), pp. 1-6, Jan. 2022. (Cited - 6)
- S. Tangade, S. S. Manvi, and S. Hassan, "A deep learning based driver classification and trust computation in VANETs", in Proc. 2019 IEEE 90th Vehicular Technology Conference: VTC2019-Fall, Honolulu, Hawaii, USA, pp. 1-6, Nov. 2019. (Cited - 16)

- S. Tangade and S. S. Manvi, "CBTM: Cryptography based trust management scheme for secure vehicular communications", in Proc. 15th International Conference on Control, Automation, Robotics and Vision, (ICARCV), Singapore, pp. 325-330, Dec. 2018. (Cited - 4)
- Koirala, B., S. Tangade, and S. S. Manvi, "Trust management based on node stay time in VANET", in Proc. International Conference on Advances in Computing, Communications and Informatics (ICACCI-2018), Bengaluru, India, pp. 242-248, Dec. 2018. (Cited - 6)
- S. Tangade and S. S. Manvi, "Trust management scheme in VANET: Neighbour communication-based approach", in Proc. International Conference on Smart Technologies for Smart Nation (SmartTechCon), Bengaluru, India, pp. 741-744, May 2018. (Cited - 14)
- B. Koirala, S. Tangade and S. S. Manvi, "Trust Evaluation Based on Reward Points for Alerts in VANET", in Proc. 2018 3rd IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT), Bengaluru, India, pp. 1369-1373, May 2018.
- S. Tangade and S. S. Manvi, "Scalable and privacy-preserving authentication protocol for secure vehicular communications", in Proc. 10th IEEE International Conference on Advanced Networks and Telecommunications Systems (ANTS), Bengaluru, India, pp. 1-6, Jan. 2017. (Cited - 27)
- A. Luckshetty, S. Dontal, S. Tangade and S.S.Manvi, "A Survey: Comparative study of applications, attacks, security and privacy in VANETs", in Proc. International Conference on Communication and Signal Processing (ICCSP), Madras, India, pp.01-05, Apr. 2016.(Cited- 32)
- S. Tangade and S. S. Manvi, "A survey on attacks, security and trust management solutions in VANETs", in Proc. IEEE International Conference on Computing Communication and Networking Technologies (ICCCNT 2013), Tamil Nadu, India, pp. 1-6, Jan. 2014. (Cited - 93)
- M. Kavitha, S. Tangade, S. S. Manvi, "Distributed trust & time management strategy in VANETs", in Proc. IEEE International Conference on Computing Communication and Networking Technologies (ICCCNT 2013), Tamil Nadu, India, pp. 1-6, Jan. 2014. (Cited - 5)
- B. R. Pathak and S. Tangade, "Approaches to survive link failures and reduce blocking probability", in Proc. 2013 International Conference on Emerging Trends in Communication, Control, Signal Processing and Computing Applications (C2SPCA), Bengaluru, India, pp. 01-04, Feb. 2014.
- S. Tangade and E.S. Shivaleela, "Better quality of services in multimedia transmission by using wavelength/time single-pulse-per-row encoding technique in OCDMA networks", in Proc. Annual IEEE India Conference (INDICON 2012), Kochi, India, pp. 525 - 529, Dec. 2012.
- E.S. Shivaleela and S. Tangade, "Comparison of performance of OCDMA networks with correlation and chip-level receivers", in Proc. 17th IEEE International Conference on Networks (ICON-2011), Singapore, pp. 207-212, Mar. 2012.
- E.S. Shivaleela and S. Tangade, "W/T SPR codes offer higher throughput in OCDMA networks", in Proc. 2011 IEEE Region 10 Conference on TENCON, Bali, Indonesia, pp. 602-606, Jan. 2012.
- E.S. Shivaleela and S. Tangade, "Analysis of MAC protocols with correlation receiver for optical CDMA networks – part I", in Proc. International Conference on VLSI, Communications and Instrumentation (ICVCI 2011), Kerala, India, pp. 12–16, 2011.
- E.S. Shivaleela and S. Tangade, "Analysis of MAC protocols with correlation receiver for optical CDMA networks – Part II", in Proc. International Conference on Communication Networks and Security (ICCNS – 2011), pp.918-922, 2011.
- S. Talabattula, S. Tangade, A. Soumya, and S. Shalini, "Quality of Transmission (QoT)- aware routing in all-optical WDM networks", in Proc. IEEE International Conference on Photonics (ICP), Langkawi, Malaysia, pp. 01-05, Oct. 2010.

Presentations:

- Seminar on "Security and Privacy: Blockchain Technology and It's Applications", Organized by KLE Technological University, Belagavi, India, 19/05/2023.
 - Webinar on "Advanced Vehicular Technology & Communications: For Intelligent Transportation Systems (ITS)", Organized by Melbourne Institute of Technology (MIT), Australia, 13/08/2020.
- Webinar on "Technical Professional Organizations IEEE & IETE for Engineering Students: Job & Career Opportunities", Organized by School of Electronics and Communication Engineering, IEEE Student Branch, IETE Student Forum, REVA University. In association with IEEE VTS

Bangalore Chapter and IEEE Bangalore Section, Bengaluru, India, 01/08/2020.

- Webinar on “Importance of Quality Research”, Organized by Sai Vidya Institute, Bengaluru, India, 08/07/2020.
- Webinar on “Role of Research Supervisor and Scholar for Quality Research Work and Publications”, Organized by IEEE VTS Student Branch Chapter REVA University and IEEE VTS Bangalore Chapter in association with IEEE Bangalore Section, School of ECE’s Advanced Vehicular Technology and Communications (AVTC) R&D Lab and School of C&IT, REVA University, Bengaluru, India, 05/07/ 2020.
- Webinar on “Advanced Vehicular Technology for Intelligent Transportation Systems”, Organized by IIIT Kottayam, Kerala, IEEE Student Branch, 24/06/2020.
- Webinar on “Advanced Vehicular Technology and Communication for Intelligent Transportation Systems (ITS)”, Organized by IEEE Bangalore Section, IEEE Student Branch REVA University and IEEE VTS Bangalore Chapter, 24/05/2020.

Organization of International Conferences / Member of Committees:

- General Co-Chair, The 5th International Conference on Advances in Computing & Information Technology (IACIT-2023), IEEE Bangalore Section, REVA University, India, 07/09/2023 to 08/09/2023.
- General Chair, 2023 IEEE International Conference on Contemporary Computing and Communications (InC4), IEEE Computer Society Bangalore Chapter, CHRIST University, 21/04/2023 to 22/04/2023.
- General Chair, 2023 Third IEEE International Conference on Technology, Engineering, Management for Societal impact using Marketing, Entrepreneurship and Talent (TEMSMET), IEEE TEMS Global & VVIET, Mysuru, India, 10/02/2023 to 11/02/2023.
- General Co-Chair, 2022 Third International Conference on Smart Technologies in Computing, Electrical and Electronics (ICSTCEE), IEEE Bangalore Section, REVA University, India, 16/12/2022 to 17/12/2022.
- General Chair, 2021 Second IEEE International Conference on Technology, Engineering, Management for Societal impact using Marketing, Entrepreneurship and Talent (TEMSMET), IEEE TEMS Global & Symbiosis Institute of Computer Studies and Research, Symbiosis International (Deemed University), Pune, India, 02/12/2021 to 03/12/2021.
- General Chair, 2021 Fourth International Conference on Advances in Electronics, Computers and Communications (ICAECC), REVA University, Bengaluru, India, 10/12/2021 to 11/12/2021.
- Organizing committee member, IEEE Region-10 2021 Ninth Humanitarian Technology Conference (R10 HTC), Organised by IEEE Region-10, Co-organised & hosted by IEEE Bangalore Section, Bengaluru, India, 30/09/2021 to 02/10/2021.
- Track Chair, IEEE Region-10 2021 Ninth Humanitarian Technology Conference (R10 HTC), Organised by IEEE Region-10, Co-organised & hosted by IEEE Bangalore Section, Bengaluru, India, 30/09/2021 to 02/10/2021.
- Session Chair, IEEE Region-10 2021 Ninth Humanitarian Technology Conference (R10HTC), Organised by IEEE Region-10, Co-organised & hosted by IEEE Bangalore Section, Bengaluru, India, 30/09/2021 to 02/10/2021.
- Reviewer, IEEE Region-10 2021 Ninth Humanitarian Technology Conference (R10 HTC), Organised by IEEE Region-10, Co-organised & hosted by IEEE Bangalore Section, Bengaluru, India, 30/09/2021 to 02/10/2021.
- Reviewer, IEEE 2021 Seventh International Conference on Electronics, Computing and Communication Technologies (CONECCT-2021), IEEE Bangalore Section, Bengaluru, India, 09/07/2021 to 11/07/2021.
- General Co-Chair, 2021 International Conference on Electronics, Communication, Information Technology and Management (ICECIM), REVA University, Bengaluru, India, 02/06/2021 to 03/06/2021.
- General Co-Chair, 2020 Third International Conference on Advances in Electronics, Computers and Communications (ICAECC), REVA University, Bengaluru, India, 11/12/2020 to 12/12/2020.
- General Co-Chair, 2020 IEEE International Conference on Technology, Engineering, Management for Societal impact using Marketing, Entrepreneurship and Talent (TEMSMET), IEEE TEMS Global & REVA University, Bengaluru, India, 10/12/2020.
- Session Co-Chair, 15th International Conference on Control, Automation, Robotics and Vision,

(ICARCV), Singapore, 18/11/2018 to 21/11/2018.

- General Co-Chair, 13th International Conference on Recent trends in Engineering Science and Management (ICRTESM-18), REVA University, Bengaluru, India, 23/04/2018 to 24/04/2018.
- Organizing Co-Chair, 2018 Second International Conference on Advances in Electronics, Computers and Communications (ICAECC 2018), REVA University, Bengaluru, India, 09/02/2018 to 10/02/2018.
- Session Chair, 2017 the International Conference on Smart Technologies for Smart Nation (SmartTechCon – 2017), REVA University, Bengaluru, India, on 17/08/2017 to 19/08/2017.

Prizes and Awards:

A. Research & Competition Awards

- “BITES Ph.D. Best Thesis Award-2019” Board for IT Education Standards (BITES), 23/02/2021.
- “Best Researcher Award-2020 at IEEE Student Branch Level”, IEEE Bangalore Section, 09/01/2021.
- “Global Innovation Challenge Contest in Unmanned Aircraft System (UAS) Communications-2020”, IEEE Vehicular Technology Society (VTS), United States, 12/10/2020.
- “Award of Research Excellence-2019” by REVA University, 22/03/2019.
- “Best Researcher Award-2018” by REVA University, for quality of research paper publication, 25/05/2018.
- BMW Summer School-2016 Grant & Participated in BMW Summer School-2016, Munich, Germany, 23/07/2016.

B. IEEE Awards

- “IEE Computer Society Bangalore Chapter Outstanding Volunteer - 2022”, IEE Computer Society Bangalore Chapter, 10/12/2022.
- “IEEE R10 Asia-Pacific Outstanding Student Activities Committee (SAC) Volunteer”, IEEE R10, 12/09/2020.
- “IEEE Outstanding Volunteer-2019 Award” by IEEE Bangalore Section, 05/01/2020.
- “IEEE Outstanding Branch Counselor and Branch Chapter Advisor Award-2017” by IEEE MGA Global, 21/10/2017.
- “IEEE Outstanding Branch Counselor Award-2016” by IEEE Bangalore Section, 08/01/2017.

Supervising and Mentoring Activities:

- *IEEE Standard Working Group (WG), IEEE, USA*
Secretary and project member, 25/09/2019 to Present.
- *IEEE Technology & Engineering Management Society (TEMS), IEEE, USA*
Secretary, TEMS Conferences & Events (TCE) Committee, 01/01/2021 to Present.
- *IEEE Asia-Pacific Region 10, IEEE Asia Pacific Limited, Singapore*
Ambassador, Student Activities Committee (SAC), 01/10/2019 – 31/12/2020.
- *IEEE Bangalore Section, Bengaluru, India*
Vice Chair, IEEE VTS Bangalore Chapter, 01/01/2021 to Present
Advisor, IEEE VTS Student Branch Chapter REVA University, 01/01/2021 to Present
Joint Secretary, IEEE Bangalore Section, 01/01/2021 to Present.
Mentor, IEEE Membership Development Committee (MDC), 01/01/2021 to Present.
Chair, IEEE Membership Development Committee (MDC), 01/01/2020 to 31/12/2020
Mentor, IEEE Student Activities Committee (SAC), 01/01/2020 to 31/12/2020.
Chair, Student Activities Committee (SAC), 01/01/2019 to 31/12/2019.
Co-Chair, Student Activities Committee (SAC), 01/01/2018 to 31/12/2018.
- *IEEE Student Branch, REVA University, Bengaluru, India*

References:

- Prof. Mauro Conti
IEEE Fellow | Young Academy of Europe Fellow
Editor-in-Chief, IEEE TIFS
Advisor for Academic Entrepreneurship Development, University of Padova
Head of Studies - Cybersecurity Degree /cybersecurity.math.unipd.it
Head of SPRITZ Security and Privacy Research Group /spritz.math.unipd.it
Head of CINI Cybersecurity National Lab, UniPD node
Email: mauro.conti@unipd.it
- Dr. Debabrata Das,
Director, IIIT -Bangalore, Electronic City,
Chair, IEEE India Council - 2023
Past Chair, IEEE Bangalore Section - 2017
Bengaluru -560100, India.
Email:ddas@iiitb.ac.in