

# Publications Christian Facchi (orcid 0000-0002-7762-9419)

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## Books/Ph.D.-Thesis/Books chapter:

1. Christian Facchi; Methodik zur formalen Spezifikation des ISO/OSI Schichtenmodells; Herbert Utz Verlag Wissenschaft ISBN 3-931327-94-9, 1995
2. Quentin Delooz, Daniel Maksimovski, Andreas Festag, and Christian Facchi; Design and Evaluation of V2X Communication Protocols for Cooperatively Interacting Automobiles; in Christoph Stiller, Matthias Althoff, Barbara Deml, Lutz Eckstein, Frank Flemisch; Cooperatively Interacting Vehicles; Springer Nature 2024; ISBN 978-3-031-60494-2; <https://doi.org/10.1007/978-3-031-60494-2>
3. Leonardo Barbosa da Silva, Silas Correia Lobo, Evelio Martín García Fernández, Christian Facchi; Boosting VRU Awareness: Bounding Box Strategies for V2X Clustering; 2024 Communications in Computer and Information Science ([accepted paper](#))

## Journals (reviewed):

1. Peter Trapp, Markus Meyer, Christian Facchi, Helge Janicke and Francois Siewe; Building CPU Stubs to Optimize CPU Bound Systems: An Application of Dynamic Performance Stubs; International Journal on Advances in Software 4 (1/2), 2011, S. 189–206
2. Christian Bacherler, Ben Moszkowski and Christian Facchi; Supporting Test Code Generation with an Easy to Understand Business Rule Language; IARIA 2013, International Journal On Advances in Software, Number 1 and 2, pp 69–79
3. Kevin Jones, Helge Janicke, Christian Facchi, Leandros Maglaras; Guest Editors' Introduction to the special issue of the journal of information security and applications on "ICS & SCADA cyber security"; Journal of Information Security and Applications 34 (2017) 70; Elsevier
4. Hendrik-Jörn Günther, Raphael Riebl, Lars Wolf, Christian Facchi; The Effect of Decentralized Congestion Control on Collective Perception in Dense Traffic Scenarios; Journal of Computer Communication (2018), Elsevier; <https://doi.org/10.1016/j.comcom.2018.03.009>
5. Christina Obermaier, Raphael Riebl, Ali H. Al-Bayatti, Sarmadullah Khan, Christian Facchi; Measuring the Realtime Capability of Parallel-Discrete-Event-Simulations; MIDP electronics Special Issue "Communication Technologies for VANETs"; doi: 10.3390/electronics10060636; 2021
6. Neumeier, Stefan; Facchi, Christian; Ott, Joerg; Bajpai, Vaibhav; Neumeier, Marion; Data Rate Reduction for Video Streams in Teleoperated Driving; IEEE Transactions on Intelligent Transportation Systems; 2022; doi: 10.1109/TITS.2022.3171718
7. Alberto Flores Fernández, Jonas Wurst, Eduardo Sánchez Morales, Michael Botsch, Christian Facchi, Andrés García Higuera; Probabilistic Traffic Motion Labelling for Multimodal Vehicle Route Prediction: accepted paper MDPI sensors, 2022; <https://doi.org/10.3390/s22124498>
8. Alberto Flores Fernández, Eduardo Sánchez Morales, Michael Botsch, Christian Facchi, Andrés García Higuera; Generation of Correction Data for Autonomous Driving by Means of Machine Learning and On-Board-Diagnostics; MDPI sensors, 2023; doi: 10.3390/s23010159

## Reviewed Papers (conferences, workshops):

1. Christian Facchi, Markus Haubner, Ursula Hinkel; The SDL Specification of the Sliding Window Protocol Revisited; SDL Forum 97, A. Sarma and A. Cavalli, Elsevier, 1997

2. Peter Trapp, Christian Facchi; How to Handle CPU Bound Systems: A Specialisation of Dynamic Performance Stubs to CPU Stubs; In CMG '08: International Conference Proceedings, pages 343–353, Las Vegas, Nevada, USA, 2008. Computer Measurement Group.
3. Sebastian Röglinger, Christian Facchi; A Safety Based Selection of Feasible Scenarios for Car2X-Communication - A Statistical Approach; Proceedings of the VDI 14th international Congress on Electronic Systems for Vehicles (Elektronik im Kraftfahrzeug), 2009; VDI Wissenforum GmbH
4. Peter Trapp, Christian Facchi, Markus Meyer; Echtzeitverhalten durch die Verwendung von CPU Stubs: Eine Erweiterung von Dynamic Performance Stubs; In Software-intensive verteilte Echtzeitsysteme, Informatik aktuell, pages 119–128. Springer Berlin Heidelberg, 2009.
5. Peter Trapp, Sebastian Bittl, Christian Facchi; How to Handle Memory Bound Systems: A Specialization of Dynamic Performance Stubs to Memory Stubs; In "Computer Measurement Group Conference 2009: International Conference Proceedings", Dallas/USA, December 2009
6. Christian Facchi, Jochen Wessel; The Definition of Metrics for Continuous Integration in SCRUM; SMEF (Software Measurement Europe Forum) 2010, Rome
7. Peter Trapp, Markus Meyer, and Christian Facchi; Using CPU Stubs to Optimize Parallel Processing Tasks: An Application of Dynamic Performance Stubs, In International Conference on Software Engineering Advances, pages 471–476. IEEE Computer Society, 2010. (Best Paper Award).
8. Peter Trapp, Christian Facchi; Main Memory Stubs to Simulate Heap and Stack Memory Behavior; In Computer Measurement Group 2010: International Conference Proceedings. Computer Measurement Group, Orlando (FL), 2010
9. Christian Facchi, Peter Trapp and Jochen Wessel; Enhancing Continuous Integration by Metrics and Performance Criteria in a SCRUM Based Process - Metrics and SCRUM in an Industrial Environment: A Contradiction?; EPIC 2010 (*Workshop* on Leveraging Empirical Research Results for Software Business Success (accepted paper); Bolzano, Italy.
10. Sebastian Röglinger, Christian Facchi; Behavior Specification of a Red-Light Violation Warning Application - An Approach for Specifying Reactive Vehicle-2-X Communication Applications; 3rd International Workshop on Communication Technologies for Vehicles. Springer LNCS 6596. Page 106 - 118. Oberpfaffenhofen. 03/2011
11. Christian Facchi, Peter Trapp, Jochen Wessel; Metrics and SCRUM in Real Life – Enemies or Friends?; In SMEF (Software Measurement Europe Forum) 2011, Rome
12. Peter Trapp, Markus Meyer and Christian Facchi; Dynamic Performance Stubs to Simulate the Main Memory Behavior of Application; in SPECTS '11: Proceedings of the International Symposium on Performance Evaluation of Computer and Telecommunication Systems. IEEE Communications Society, 2011.
13. Markus Meyer, Helge Janicke, Peter Trapp, Christian Facchi, Marcel Busch; Performance Simulation of a System's Parallelization; In ICSEA '11: Proceedings of the International Conference on Software Engineering Advances. Xpert Publishing Services, 2011., best paper award
14. Christian Bacherler, Ben Moszkowski, Christian Facchi, Andreas Hübner; Automated Test Code Generation based on Formalized Natural Language Business Rules; in ICSEA 2012, The Seventh International Conference on Software Engineering Advances: IARIA Conference., 2012, pp. 165–171.
15. Andreas Hübner, Christian Facchi, Helge Janicke; Rifiidi Toolkit: Virtuality for testing RFID-Systems; Proceedings of the Seventh International Conference on Systems and Networks Communications (ICSNC 2012), Lisbon, Portugal Pages 18-23
16. Andreas Hübner; Christian Facchi, Markus Meyer, Helge Janicke; A Model-Based Approach for RFID Application Testing; In: IEEE (Hg.): Trust, Security and Privacy in Computing and Communications (TrustCom), 2013 12th IEEE International Conference on, July 2013, Melbourne, S. 1490 - 1497

17. Andreas Huebner, Christian Facchi; Markus Meyer, Helge Janicke; RFID Systems from a Cyber-Physical Systems Perspective; In: IEEE (Hg.): Intelligent Solutions in Embedded Systems (WISES), 2013 Proceedings of the 11th Workshop on, September 2013, Pilzeň, S. 1 – 6
18. Raphael Riebl, Hendrik-Jörn Günther, Christian Facchi, Lars Wolf; Artery -- Extending Veins for VANET applications; in 2015 International Conference on Models and Technologies for Intelligent Transportation Systems (MT-ITS), Jun. 2015, pp. 450–456. DOI: 10.1109/MTITS.2015.7223293
19. Raphael Riebl, Christian Facchi; Regain Control of Growing Dependencies in OMNeT++ Simulations; in: A. Förster, C. Minkenberg, G. R. Herrera, M. Kirsche (Eds.), Proc. of the 2nd OMNeT++ Community Summit, IBM Research - Zurich, Switzerland, September 3-4, 2015, arXiv:1509.03284, 2015
20. Markus Zeindl, Christian Facchi; WOC: A New Weighted Ordinal Classification; in 2015 IEEE/WIC/ACM International Conference on Web Intelligence and Intelligent Agent Technology (WI-IAT), vol. 3, 2015, pp. 69–74.
21. Niklas Hehenkamp, Remko van Wagensveld, Dominik Schönwetter, Christian Facchi, Ulrich Margull, Dietmar Fey, Ralph Mader; How to Speed up Embedded Multi-core Systems Using Locality Conscious Array Distribution for Loop Parallelization; ARCS 2016; 29th International Conference on Architecture of Computing Systems; Proceedings of, Nürnberg 2016;
22. Raphael Riebl, Markus Monz, Simon Varga, Helge Janicke, Leandros Maglaras, Ali H. Al-Bayatti, Christian Facchi; Improved Security Performance for VANET Simulations; in 4th IFAC Symposium on Telematics Applications (IFAC-PapersOnLine), vol. 49, Porto Alegre, Brasil: Elsevier, 2016, pp. 233–238. DOI: 10.1016/j.ifacol.2016.11.173
23. Thomas Speth, Raphael Riebl, Thomas Brandmeier, Christian Facchi, Ulrich Jumar, Ali H. Al-Bayatti; VANET Coverage Analysis for GPS Augmentation Data in Rural Area; in 4th IFAC Symposium on Telematics Applications (IFAC-PapersOnLine), vol. 49, Porto Alegre, Brasil: Elsevier, 2016, pp. 245-250. <https://doi.org/10.1016/j.ifacol.2016.11.112>
24. Thomas Speth, Raphael Riebl, Thomas Brandmeier, Christian Facchi, Ali Hilal Al-Bayatti, Ulrich Jumar; Enhanced Inter-Vehicular Relative Positioning; in: Intelligent Transportation Systems (ITSC), 2016 IEEE 19th International Conference on; Rio de Janeiro; 2016, pp. 867-872; DOI: 10.1109/ITSC.2016.7795657
25. Markus Zeindl, Markus Seitz, Christian Facchi; Correlation of Change Size to Fault-Proneness: A Real Life Case Study; in 2016 IEEE/ACS 13th International Conference of Computer Systems and Applications (AICCSA), 2016, pp. 1–6.
26. Hendrik-Jörn Günther, Raphael Riebl, Lars Wolf, Christian Facchi, Collective Perception and Decentralized Congestion Control in Vehicular Ad-hoc Networks; in 2016 IEEE Vehicular Networking Conference (VNC), Dec. 2016, pp. 1–8. DOI: 10.1109/VNC.2016.7835931
27. Christina Obermaier, Raphael Riebl, Christian Facchi; Dynamic Scenario Control for VANET Simulations; in IEEE MT-ITS 2017 Napoli , pp. 681-686
28. Christina Obermaier, Christian Facchi; Investigations on OMNeT++ Real-Time Behaviour; in OMNeT++ Community Summit 2017 Bremen; <https://doi.org/10.48550/arXiv.1709.02207>
29. Stefan Neumeier, Nicolas Gay, Clemens Dannheim, Christian Facchi; On the way to autonomous vehicles teleoperated driving, AmE 2018-Automotive meets Electronics; 9th GMM-Symposium, pp 1-6
30. Christina Obermaier, Raphael Riebl, Christian Facchi; Fully Reactive Hardware-in-the-Loop Simulation for VANET Devices; ITSC 2018, 21st IEEE International Conference on Intelligent Transportation Systems DOI: 10.1109/ITSC.2018.8569663
31. Markus Zeindl and Christian Facchi; Measuring Architectural Misfit: A Preliminary Real Life Study; CMDWM Workshop on WI 2018; The 5th Workshop on Complex Methods for Data and Web Mining; DOI: 10.1109/WI.2018.00-18

32. Niklas Hehenkamp, Christian Facchi, Stefan Neumeier; How to Achieve Traffic Safety With LTE and Edge Computing; Future of Information and Communications Conference (FICC) 2019, in Kohei Arai, Rahul Bahatia, Advances in Information and Communication, Springer 2020, pp 164-176
33. Stefan Neumeier, Ermias Walelgne, Vaibhav Bajpai, Jörg Ott, Christian Facchi; Measuring the Feasibility of Teleoperated Driving in Mobile Networks, Network Traffic Measurement and Analysis Conference TMA 2019; Paris DOI: 10.23919/TMA.2019.8784466
34. Stefan Neumeier, Christian Facchi; Towards a Driver Support System for Teleoperated Driving; IEEE 22nd Intelligent Transportation Systems Conference (ITSC); 2019; DOI: 10.1109/ITSC.2019.8917244
35. Stefan Neumeier, Philipp Wintersberger, Anna-Katharina Frison, Armin Becher, Christian Facchi, Andreas Rienr; Teleoperation: the holy grail to solve problems of automated driving? Sure, but latency matters; Proceedings of the 11th International Conference on Automotive User Interfaces and Interactive Vehicular Applications; 2019 pp 186-197; DOI: 10.1145/3342197.3344534
36. Christina Obermaier, Raphael Riebl, Christian Facchi, Ali Al-Bayatti, Sarmadullah Khan: Limitations of HIL Test Architectures for Car2X Communication Devices and Applications. In: ACM Computer Science in Cars Symposium (CSCS '19), 2019.; DOI: 0.1145/3359999.3360493
37. Stefan Neumeier, Michael Höpp, Christian Facchi; Yet Another Driving Simulator OpenROUTES3D: The Driving Simulator for Teleoperated Driving; IEEE ICCVE – International Conference on Connected Vehicles; 2019 ; DOI: 10.1109/ICCV45908.2019.8965037
38. Silas C. Lobo , Stefan Neumeier, Evelio M. G. Fernandez, Christian Facchi; InTAS - The Ingolstadt Traffic Scenario for SUMO; SUMO User Conference 2020; Berlin; 2020 (accepted paper)
39. Stefan Neumeier, Simon Stapf, Christian Facchi; The Visual Quality of Teleoperated Driving Scenarios -- How good is good enough?; ISNCC 2020; IEEE International Symposium on Networks, Computers and Communication; 2020; Montreal; DOI: 10.1109/ISNCC49221.2020.9297343
40. Stefan Neumeier, Chris Corbett, Christian Facchi; A Secure and Privacy Preserving System Design for Teleoperated Driving; FICC 2021 (Future of Information and Communications Conference); 2021; Vancouver; DOI: [https://doi.org/10.1007/978-3-030-73100-7\\_34](https://doi.org/10.1007/978-3-030-73100-7_34)
41. Silas Lobo, Evelio Fernández, Christian Facchi; Determining the Location of Objects Using a Vision-System Sensor and CPM; SBRT 2020 (Simpósio Brasileiro de Telecomunicações e Processamento de Sinais); (accepted paper)
42. Daniel, Maksimowski, Andreas Festag, Christian Facchi; A Survey on Decentralized Cooperative Maneuver Coordination, for Connected and Automated Vehicles; VEHITS 2021 (7th International Conference on Vehicle Technology and Intelligent Transport Systems); S 100-111; <https://doi.org/10.5220/0010442501000111>
43. Christina Obermaier, Raphael Riebl, Christian Facchi, Ali H. Al-Bayatti, Sarmadullah Khan: COSIDIA: An Approach for Real-Time Parallel Discrete Event Simulations Tailored for Wireless Networks. In: Proceedings of the 2021 ACM SIGSIM Conference on Principles of Advanced Discrete Simulation, 2021. <https://doi.org/10.1145/3437959.3459250>
44. D. Maksimovski, C. Facchi and A. Festag, "Priority Maneuver (PriMa) Coordination for Connected and Automated Vehicles," 2021 IEEE International Intelligent Transportation Systems Conference (ITSC), Indianapolis, IN, USA, 2021, pp. 1083-1089, doi: 10.1109/ITSC48978.2021.9564923.
45. D. Maksimovski, C. Facchi, A. Festag; „Cooperative Driving: Research on Generic Decentralized Maneuver Coordination for Connected and Automated Vehicles“, Springer Book - Communications in Computer and Information Science (CCIS), C. Klein et al. (Eds.): SMARTGREENS 2021/ VEHITS 2021, CCIS 1612, pp. 348–370, 2022. [https://doi.org/10.1007/978-3-031-17098-0\\_18](https://doi.org/10.1007/978-3-031-17098-0_18)
46. S. Lobo, A. Festag and C. Facchi, "Enhancing the Safety of Vulnerable Road Users: Messaging Protocols for V2X Communication," 2022 IEEE 96th Vehicular Technology Conference (VTC2022-Fall), London, United Kingdom, 2022, pp. 1-7, doi: 10.1109/VTC2022-Fall57202.2022.10012775.

47. Silas Lobo, Leonardo Barbosa da Silva, Christian Facchi; To Cluster or not to Cluster: A VRU Clustering Based on V2X Communication; 2023 IEEE 26th International Conference on Intelligent Transportation (ITSC); DOI: 10.1109/ITSC57777.2023.10422659
48. Daniel Maksimovski, Christian Facchi; Decentralized V2X Maneuver Sharing and Coordination Message for Cooperative Driving: Analysis in Mixed Traffic; 2023 IEEE 26th International Conference on Intelligent Transportation (ITSC), DOI: 10.1109/ITSC57777.2023.10421976
49. Daniel Maksimovski, Christian Facchi; Decentralized V2X Priority Maneuver Coordination: Evaluation in Small Scale Scenarios; IAVVC 2023; IEEE International Automated Vehicle Validation Conference; 2023; DOI: 10.1109/IAVVC57316.2023.10328122
50. Daniel Maksimovski, Christian Facchi; Negotiation Patterns for V2X Cooperative Driving: How complex Maneuver Coordination can be? The 2023 IEEE 98th Vehicular Technology Conference: VTC2023-Fall, DOI: 10.1109/VTC2023-Fall60731.2023.10333579
51. Leonardo Barbosa da Silva, Silas Correia Lobo, Evelio Martin Garcia Fernandez, Christian Facchi; What is the Right Bounding Box of a VRU Cluster in V2X Communication? – How to Form a Good Shape?; VHITS 2024; DOI: 10.5220/0012699100003702
52. Daniel Maksimovski, Silas Lobo, Christian Facchi; Prioritization of Maneuver Coordination Messages and the Impact of Decentralized Congestion Control; IEEE VTC2024-Spring, DOI: 10.1109/VTC2024-Spring62846.2024.10683237
53. Daniel Maksimowski, Christian Facchi, Andreas Festag; Use Cases, Scenarios and Evaluation Metrics for V2X Cooperative Maneuver Coordination; VNC 2024, DOI: 10.1109/VNC61989.2024.10575992
54. Silas Lobo, Andreas Festag, Christian Facchi; Adaptive Message Prioritization: How to Prioritize VRU Awareness Messages in a Congested V2X Network; 27th IEEE International Conference on Intelligent Transportation Systems (ITSC); 2024 **accepted paper**
55. Laura Dietl, Christian Facchi; Is Maximum Entropy Deep Inverse Reinforcement Learning suitable for Pedestrian Path Prediction?; IEEE Cognitive Mobility 2024 Conference (CogMob); 2024; ISBN 978-3-031-81799-1; <https://link.springer.com/book/9783031817984>; DOI: [https://doi.org/10.1007/978-3-031-81799-1\\_20](https://doi.org/10.1007/978-3-031-81799-1_20)
56. Daniel, Maksimowski, Andreas Festag, Christian Facchi; Packet Rate Control for Maneuver Coordination in Congested V2X Communication Environments; IEEE VTC2024-Fall; DOI: 10.1109/VTC2024-Fall63153.2024.10758036
57. Daniel Maksimowski, Christian Facchi; Priority-based Cooperative Driving Planner for V2X Maneuver Coordination Application; IEEE CCNC 2025; (**accepted paper**)
58. Silas Lobo, Leonardo Barbosa da Silva, Christian Facchi; VRU Basic Service: A V2X Comprehensive Analysis in a VRU Large-Scale Scenario; 2025 IEEE VNC; (**accepted paper**)
59. Laura Dietl, Christian Facchi; A Glimpse into the Future: An Inverse soft Q-Learning's Soft Actor-Critic Approach for Pedestrian Path Prediction ; IEEE Intelligent Vehicles Symposium (IV) (IV 2025) (**accepted paper**)
60. Laura Dietl, Christian Facchi; Really, Pedestrian Trajectories: How Realistic are the Datasets? ; IEEE Intelligent Vehicles Symposium (IV) (IV 2025) (**accepted paper**)

### **Technical Reports or other not peer reviewed publications:**

1. M. Broy, C. Facchi, R. Grosu, R. Hettler, H. Hussman, D. Nazareth, F. Regensburger, K. Stølen; The Requirement and Design Specification Language SPECTRUM; An Informal Introduction; Version 0.3;

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2. M. Broy, C. Facchi, R. Grosu, R. Hettler, H. Hussmann, D. Nazareth, F. Regensburger, O. Slotosch, K. Stølen; The Requirement and Design Specification Language SPECTRUM; An Informal Introduction; Version 1.0; Institut für Informatik der Technischen Universität München TUM-I9311/TUM-I9312; 1993
3. C. Facchi; Formal Semantics of Time Sequence Diagrams; Institut für Informatik der Technischen Universität München TUM-I9540, 1995
4. C. Facchi; How to Improve the Service Specifications of the ISO/OSI Basic Reference Model; Institut für Informatik der Technischen Universität München TUM -I9615, 1996
5. Christian Facchi, Markus Haubner, Ursula Hinkel; The SDL Specification of the Sliding Window Protocol Revisited; Institut für Informatik der Technischen Universität München TUM-I9614, 1996
6. Peter Trapp, Christian Facchi; Performance Improvement: Using Dynamic Performance Stubs; FH Ingolstadt "Arbeitsberichte - Working Papers" 14; 2007
7. Sebastian Röglinger, Christian Facchi; How Can Car2X-Communication Improve Road Safety-- A Statistical Based Selection and Discussion of Feasible Scenarios; Hochschule Ingolstadt "Arbeitsberichte - Working Papers" 15; 2009
8. Christian Bacherler, Christian Facchi and Hans-Michael Windisch; Enhancing Domain Modelling with Easy to Understand Business Rules; Hochschule Ingolstadt "Arbeitsberichte - Working Papers" 19; 2010
9. Peter Trapp, Markus Meyer, and Christian Facchi; How to Correctly Simulate Memory Allocation Behavior of Applications by Calibrating Main Memory Stubs, Hochschule Ingolstadt "Arbeitsberichte - Working Papers" 20; 2011
10. Raphael Riebl, Christian Facchi; Implementation of Day One ITS-G5 Systems for Testing Purposes; In: R. Frank, M. Forster, C. Sommer, F. Kargl, T. Engel (Hg.): Proceedings of the 2nd GI/ITG KuVS Fachgespräch Inter-Vehicle Communication (FG-IVC 2014), Februar 2014, Luxembourg, S. 32-35.
11. Raphael Riebl, Stefan Neumeier and Christian Facchi; Inter-Vehicle Communication on the Run; accepted paper for KUVs ITC 2015 Ulm
12. Raphael Riebl, Christina Obermaier, Stefan Neumeier, Christian Facchi; Vanetza: Boosting Research on Inter-Vehicle Communication; KUVS ITC 2017 Erlangen; <http://fg-ivc.car2x.org/proceedings-fg-ivc-2017.pdf#page=43>
13. Stefan Neumeier, Christina Obermaier, Christian Facchi; Speeding up OMNeT++ Simulations by Parallel Output-Vector Implementations; KUVS ITC 2017 Erlangen
14. SC Lobo, S Neumeier, EMG Fernandez, C Facchi; InTAS--The Ingolstadt Traffic Scenario for SUMO; arXiv preprint arXiv:2011.11995, 2019

### **Selection of presentations (invited or major reviewed talks):**

1. C. Facchi; Telelogic Tools and Siemens Mobile Phones; Capital Market Event Telelogic, Malmoe, 2001
2. C. Facchi; The Introduction of CM Synergy for Siemens Mobile Phones; Telelogic User Synergy, Munich, 2002
3. C. Facchi; The Definition of Metrics for Continuous Integration in SCRUM – How Continuous is our Continuous Integration; accepted talk, SCRUM Days 2010, Munich, [www.scrum-day.de](http://www.scrum-day.de)

### **Other publications (not peer reviewed and not complete):**

1. Thomas Brandmeier, Christian Facchi, Anja Kucsera, Christian Lauerer, Georg Overbeck; Richtungsweisende Forschungskonzepte an der Hochschule Ingolstadt am Beispiel des Forschungs- und Testzentrums CARISSMA; Die neue Hochschule 1/2012, S. 14-17.
2. Christian Facchi, Ernst-H. Göldner, Raphael Riebl.; Car2X: Mehrwert durch Vernetzung – worauf warten wir noch? DETECON Management Report 9/2015, Special Automotive
3. Christian Facchi, Georg Overbeck, Anne-Sophie Lohmeier; AWARE – strategische Partnerschaft mit Brasilien an der Technischen Hochschule Ingolstadt; Die neue Hochschule 6/2016, S. 166-169.
4. Georg Overbeck, Christian Facchi; Herausforderung strategische Netzwerke: Von Wunschdenken und Verstetigung; Die neue Hochschule 1/2020

### **Other major publications of the research group:**

1. Sebastian Röglinger; A methodology for testing intersection related Vehicle-2-X applications; Elsevier Journal on Computer Networks 55 (2011) 3154–3168
2. Gautam Ravindra Dange, Pratheep Kumar Paranthaman, Francesco Bellotti, Riccardo Berta, Alessandro De Gloria, Mattia Raffero, Stefan Neumeier (2017): Deployment of Serious Gaming Approach for Safe and Sustainable Mobility. Accepted Paper bei 2017 IEEE Intelligent Vehicles Symposium.
3. Raphael Riebl and Christina Obermaier and Hendrik-Jörn Günther; Artery: Large Scale Simulation Environment for ITS Applications; in Antonio Virdis and Michael Kirsche (Eds.), Recent Advances in Network Simulation: The OMNeT++ Environment and its Ecosystem; 365—406; Springer 2019
4. Raphael Riebl and Giovanni Nardini and Antonio Virdis; Simulating LTE-Enabled Vehicular Communications; in Antonio Virdis and Michael Kirsche (Eds.), Recent Advances in Network Simulation: The OMNeT++ Environment and its Ecosystem; 407--423; Springer 2019

### **Opensource tools:**

<https://github.com/riebl/artery>

<https://github.com/riebl/vanetza>

<https://github.com/silaslobo/InTAS>