

CV of Prof. Filip De Turck, Ghent University-imec, Belgium

September 2023

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Biography

Prof. Filip De Turck obtained the MSc in Electrical Engineering degree from Ghent University, Belgium in 1997, and the PhD degree in Engineering from Ghent University in 2002. In 2003, he was a visiting postdoctoral researcher at Columbia University, USA. He was appointed Assistant Professor at Ghent University in 2004, Associate Professor in 2009, and Full Professor in 2014. Prof. Filip De Turck leads the network and service management group at the Department of Information Technology at Ghent University and imec, Belgium, and he has a strong research expertise in the communication domain: communication software, network resource management, adaptive service delivery and large scale data processing. To date, he successfully supervised 49 PhD students and is currently supervising 8 PhD students.

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From his alumni PhD students, 7 currently have a position in academia as assistant professor or associate professor.

He served as Editor-in-Chief of IEEE Transactions on Network and Service Management, January 2018 until December 2021, and Chair of the ComSoc Technical Committee on Network Operations and Management, May 2017 until May 2021.

Filip received the ComSoc Dan Stokesberry Award 2021 for particularly distinguished technical contributions to the growth of the network operations and service management field. He obtained several Best Paper Awards, and is an IEEE Fellow (class of 2021) for outstanding technical contributions to network resource management and adaptive service delivery.

Filip is well-known for his technical contributions to the ComSoc network and service management community and he is a regular keynote speaker at conferences and workshops.

Professional Service

For 20 years now, I contribute to the network and service management research community as an active researcher. During these 20 years, I regularly attended the main conferences in this research domain: IEEE/IFIP Network Operations and Management Symposium (NOMS), IFIP/IEEE Symposium on Integrated Management (IM), and the IEEE/IFIP International Conference on Network and Service Management (CNSM).

I served on the Organizing Committee for these conferences since 2011: Tutorial Co-Chair for IFIP/IEEE IM 2011 in Dublin, Ireland, TPC Co-Chair for IEEE/IFIP NOMS 2012 in Maui, Hawaii, TPC Co-Chair for IFIP/IEEE IM 2013 in Ghent, Belgium, Publicity Co-Chair for IEEE/IFIP CNSM 2013 in Zurich, Switzerland, Keynote Co-Chair for IEEE/IFIP NOMS 2014 in Krakow, Poland, Workshop Co-Chair for IEEE/IFIP CNSM 2014 in Rio De Janeiro, Brazil, Publication Co-Chair for IFIP/IEEE IM 2015 in Ottawa, Canada, Distinguished Expert Panel Chair for IEEE/IFIP CNSM 2015 in Barcelona, Spain, Workshop Co-Chair for IEEE/IFIP NOMS 2016 in Istanbul, Turkey, Student Travel Grant Chair for IFIP/IEEE IM 2017 in Lisbon, Portugal, Distinguished Expert Panel Co-Chair for IEEE/IFIP CNSM 2017 in Tokyo, Japan, and Panel Co-Chair for IEEE/IFIP NOMS 2018 in Taipei, Taiwan, Exhibition Co-Chair for IFIP/IEEE IM 2019 in Washington DC, USA, Student travel grant Co-Chair for IEEE/IFIP NOMS 2020 in Budapest, Hungary, and Finance Chair for IFIP/IEEE IM 2021 in Bordeaux, France.

I also serve as voting member of the Steering Committee of the IEEE/IFIP NOMS, IFIP/IEEE IM and IEEE/IFIP CNSM conferences.

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Since 2015, the IEEE Conference on Network Softwarization (NetSoft) has been established under my guidance as the IEEE SDN Initiative Conference Chair. I serve as IEEE NetSoft Steering Committee Member since 2015, and served as Patron Co-Chair for IEEE NetSoft 2015 in London, UK, TPC Co-Chair for IEEE NetSoft 2016 in Seoul, Korea, Keynote Co-Chair for IEEE NetSoft 2017 in Bologna, Italy, Panel Co-Chair for IEEE NetSoft 2018 in Montreal, Canada, General Co-chair of IEEE NetSoft 2019 in Paris, France, General Co-chair of IEEE NetSoft 2020 in Ghent, Belgium, and Keynote Co-chair of IEEE NetSoft 2021 in Tokyo, Japan.

I served as workshop organizer for the IEEE/IFIP Workshop on Management of the Future Internet (ManFI) from 2012 until 2014 (3 editions), founder and organizer of the IEEE/IFIP Workshop on QoE Centric Management (QCMAN) from 2013 until 2015 (3 editions), and Steering committee member of IEEE/IFIP ManFI 2015 and 2016, and QCMAN 2016. As IEEE/IFIP CNSM 2014 Workshop Co-Chair, I established the IEEE/IFIP ManSDN/NFV 2014 Workshop and served as Steering Committee Member for IEEE/IFIP ManSDN/NFV 2015, 2016 and 2017. As IEEE/IFIP NOMS 2016 Workshop Co-Chair, I established the IEEE/IFIP AnNet 2016 Workshop and serve as Steering Committee Member for IEEE/IFIP AnNet 2017 and 2018.

From 2012 till 2016, I served in the EU FP7 Network of Excellence FLAMINGO project (<http://www.fp7-flamingo.eu/>) as coordinator of the activities on "Interaction with Industry and Academia".

From 2014 till 2016, I served as Chair of the EU FP7 Future Internet Cluster. The EU Future Internet Cluster took care of the coordination between the ongoing EU Future Internet projects.

Journal Editorship

I served as Associate Editor of IEEE Transactions on Network and Service Management (TNSM) since February 2012 until December 2017 and worked with Prof. Morris Sloman as Editor-in-Chief until December 2012, and from January 2013 with Prof. Rolf Stadler as Editor-in-Chief.

From January 2017 until December 2017, I served as Associate Editor-in-Chief of IEEE Transactions on Network and Service Management (TNSM) and I collaborate with the Editor-in-Chief on a regular basis, e.g. to discuss the selection criteria for Associate Editors, handling of delays, the target maximum number of days before decision is met, etc.



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As Associate Editor-in-Chief, I made sure that the taxonomy in the IEEE TNSM submission system, where authors select keywords for their papers, was completely updated. It is important for authors that the list of taxonomy topics is up to date, so it is immediately clear that their paper fits in the scope of the journal. For selection of reviewers, it is also important that the list of keywords, describing their expertise, is up to date.

I served as Editor-in-Chief of IEEE Transactions on Network and Service Management (TNSM) since January 2018 until January 2022 (4 year term). The current journal impact factor is 4.195, IEEE TNSM receives 920+ submissions per year, its impact and number of submissions have been growing under my leadership. Furthermore, I established several successful IEEE TNSM special issues and the journal received a positive PRAC-review in December 2019.

From November 2014, I served as Associate Editor-in-Chief of Wiley International Journal of Network Management (IJNM) with Prof. James Won-Ki Hong as Editor-in-Chief. I replaced Prof. Aiko Pras, who was unavailable as Associate Editor-in-Chief during this period.

Since 2011, I also serve as Associate Editor of Springer Journal of Network and Systems Management (JNSM), with Prof. Deep Medhi as Editor-in-Chief.

For the Wiley International Journal of Network Management (IJNM), I established the following special issues and worked with the Guest Editors, the Editor-in-Chief, and the Publication Manager, to ensure timely handling, selection and publication of the Special Issue papers: Special Issue on Management of SDN/NFV-based systems, Special Issue on Security for Emerging Open Networking Technologies, Special Issue on Software-defined operations, Special Issue on Software-Defined Networking and Network Function Virtualization for Flexible Network Management, Special Issue on Measure, Detect and Mitigate - Challenges and Trends in Network Security, and Special Issue: Advances in Management of Multimedia Services.

In 2017, I served as Guest Editor for the IEEE Communication Magazine Feature Topic on 'Advances in Networking Software'. The focus of the Feature Topic was on efficient management of software-defined virtualized telecommunication systems and datacenters. A total of 45 submissions were received and 6 papers were accepted. The Feature Topic was published in June 2017.

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IEEE ComSoc Technical Committee

Since May 2011 until May 2021, i served as an officer of the IEEE Technical Committee on Network Operations and Management (CNOM) with following roles: TPC Co-Chair, Vice Chair, and Chair since May 2017. Three important objectives of the current team of CNOM officers are: making sure that the network and service research community is as attractive as possible for researchers in industry, giving opportunities to young promising researchers in various organizational positions in the community and mentoring them with advice and feedback, and making the proceedings of all past IM/NOMS/CNSM editions are online available.

The IEEE CNOM Technical Committee focuses on network and service management research including network resource management and adaptive service delivery. It supports activities in these areas including the organization of conferences and workshops, journal and magazine publications, standard development, IEEE distinguished lectures program, etc.

In the 2015-2016 period, the Network and Service Management taxonomy was updated under my coordination as a joint effort of IEEE CNOM, IFIP WG6.6, and the EU Network of Excellence project FLAMINGO. To achieve this goal, a detailed questionnaire was set up and experts for the community were invited to contribute. Next, multiple meetings were organized co-located with the main Network and Service Management conferences to reach consensus on the updated taxonomy. The fully updated taxonomy now available in Wikipedia: https://en.wikipedia.org/wiki/Network_and_service_management_taxonomy

This updated taxonomy is adopted entirely by IEEE Transactions on Network and Service Management (TNSM) and also by the IEEE/IFIP NOMS, IFIP/IEEE IM and IEEE/IFIP CNSM conferences.

Overview of Publications

My publications are available on:

- [Ghent University Academic Bibliography](#)
- [Google Scholar](#)
- [Selected publications](#)

In addition, several patents were obtained based on numerous collaborations with industry, as described below.

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List of Publications

A1 Journal publications

1. Van Damme, Sam, Maria Torres Vega, and [Filip De Turck](#). 2022. "Machine Learning Based Content-Agnostic Viewport Prediction for 360-Degree Video." *ACM TRANSACTIONS ON MULTIMEDIA COMPUTING COMMUNICATIONS AND APPLICATIONS* 18 (2). doi:10.1145/3474833.
2. De Brouwer, Mathias, Nicolas Vandebussche, Bram Steenwinckel, Marija Stojchevska, Jonas Van Der Donckt, Vic Degraeve, Jasper Vaneessen, [Filip De Turck](#), Bruno Volckaert, Paul Boon, Koen Paemeleire, Sofie Van Hoecke, and Femke Ongenaë. 2022. "MBrain : Towards the Continuous Follow-up and Headache Classification of Primary Headache Disorder Patients." *BMC MEDICAL INFORMATICS AND DECISION MAKING* 22 (1). doi:10.1186/s12911-022-01813-w.
3. Heyse, Joris, Stéphanie Carlier, Ewoud Verhelst, Catharine Vander Linden, Femke De Backere, and [Filip De Turck](#). 2022. "From Patient to Musician : A Multi-Sensory Virtual Reality Rehabilitation Tool for Spatial Neglect." *APPLIED SCIENCES-BASEL* 12 (3). doi:10.3390/app12031242.
4. Ordonez Ante, Leandro, Jeroen van der Hooft, Tim Wauters, Gregory Van Seghbroeck, Bruno Volckaert, and [Filip De Turck](#). 2022. "Explora-VR : Content Prefetching for Tile-Based Immersive Video Streaming Applications." *JOURNAL OF NETWORK AND SYSTEMS MANAGEMENT* 30 (3). doi:10.1007/s10922-022-09649-5.
5. Bondan, Lucas, Tim Wauters, Bruno Volckaert, [Filip De Turck](#), and Lisandro Zambenedetti Granville. 2022. "NFV Anomaly Detection : Case Study through a Security Module." *IEEE COMMUNICATIONS MAGAZINE* 60 (2): 18–24. doi:10.1109/MCOM.001.2100408.
6. Bonte, Pieter, [Filip De Turck](#), and Femke Ongenaë. 2022. "Bridging the Gap between Expressivity and Efficiency in Stream Reasoning : A Structural Caching Approach for IoT Streams." *KNOWLEDGE AND INFORMATION SYSTEMS* 64: 1781–1815. doi:10.1007/s10115-022-01686-5.
7. Li, Zhuo, Xu Zhou, [Filip De Turck](#), Taixin Li, Yongmao Ren, and Yifang Qin. 2022. "Feudal Multiagent Reinforcement Learning for Interdomain Collaborative Routing Optimization." *WIRELESS COMMUNICATIONS & MOBILE COMPUTING* 2022. doi:10.1155/2022/1231979.

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8. Verkerken, Miel, Laurens D'hooge, Tim Wauters, Bruno Volckaert, and [Filip De Turck](#). 2022. "Towards Model Generalization for Intrusion Detection : Unsupervised Machine Learning Techniques." *JOURNAL OF NETWORK AND SYSTEMS MANAGEMENT* 30 (1). doi:10.1007/s10922-021-09615-7.
9. Moeyersons, Jerico, Sarah Kerkhove, Tim Wauters, [Filip De Turck](#), and Bruno Volckaert. 2022. "Towards Cloud-Based Unobtrusive Monitoring in Remote Multi-Vendor Environments." *SOFTWARE-PRACTICE & EXPERIENCE* 52 (2): 427–442. doi:10.1002/spe.3029.
10. Steenwinkel, Bram, Gilles Vandewiele, Michael Weyns, Terencio Agozzino, [Filip De Turck](#), and Femke Ongenaë. 2022. "INK : Knowledge Graph Embeddings for Node Classification." *DATA MINING AND KNOWLEDGE DISCOVERY*. doi:10.1007/s10618-021-00806-z. In press.
11. Van Hoyer, Laurens, Tim Wauters, [Filip De Turck](#), and Bruno Volckaert. 2022. "A Secure Cross-Organizational Container Deployment Approach to Enable Ad Hoc Collaborations." *INTERNATIONAL JOURNAL OF NETWORK MANAGEMENT*. doi:10.1002/nem.2194. In press.
12. Ravuri, Hemanth Kumar, Maria Torres Vega, Jeroen van der Hooft, Tim Wauters, and [Filip De Turck](#). 2022. "A Scalable Hierarchically Distributed Architecture for Next-Generation Applications." *JOURNAL OF NETWORK AND SYSTEMS MANAGEMENT* 30 (1). doi:10.1007/s10922-021-09618-4.
13. Pereira dos Santos, José Pedro, Tim Wauters, Bruno Volckaert, and [Filip De Turck](#). 2021. "Towards Low-Latency Service Delivery in a Continuum of Virtual Resources : State-of-the-Art and Research Directions." *IEEE COMMUNICATIONS SURVEYS AND TUTORIALS* 23 (4): 2557–2589. doi:10.1109/COMST.2021.3095358. *Impact factor: 33.84, category: COMPUTER SCIENCE, INFORMATION SYSTEMS, rank: 1/164, quartile: 1.*
14. D'hooge, Laurens, Miel Verkerken, Tim Wauters, Bruno Volckaert, and [Filip De Turck](#). 2021. "Hierarchical Feature Block Ranking for Data-Efficient Intrusion Detection Modeling." *COMPUTER NETWORKS* 201. doi:10.1016/j.comnet.2021.108613. *Impact factor: 5.493, category: COMPUTER SCIENCE, HARDWARE & ARCHITECTURE, rank: 9/54, quartile: 1.*
15. Bracke, Vincent, Merlijn Sebrechts, Bart Moons, Jeroen Hoebeke, [Filip De Turck](#), and Bruno Volckaert. 2021. "Design and Evaluation of a Scalable Internet of Things Backend for Smart Ports." *SOFTWARE-PRACTICE & EXPERIENCE* 51 (7): 1557–1579. doi:10.1002/spe.2973. *Impact factor: 3.2, category: COMPUTER SCIENCE, SOFTWARE ENGINEERING, rank: 32/110, quartile: 2.*

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16. Steenwinckel, Bram, Dieter De Paepe, Sander Vanden Hautte, Pieter Heyvaert, Mohamed Bentefrit, Pieter Moens, Anastasia Dimou, Bruno Van Den Bossche, [Filip De Turck](#), Sofie Van Hoecke, and Femke Ongenaë. 2021. "FLAGS : A Methodology for Adaptive Anomaly Detection and Root Cause Analysis on Sensor Data Streams by Fusing Expert Knowledge with Machine Learning." *FUTURE GENERATION COMPUTER SYSTEMS-THE INTERNATIONAL JOURNAL OF ESCIENCE* 116: 30–48. doi:10.1016/j.future.2020.10.015. *Impact factor: 7.307, category: COMPUTER SCIENCE, THEORY & METHODS, rank: 10/109, quartile: 1.*

17. Vandewiele, Gilles, Isabelle Dehaene, György Kovács, Lucas Sterckx, Olivier Janssens, Femke Ongenaë, Femke De Backere, [Filip De Turck](#), Kristien Roelens, Johan Decruyenaere, Sofie Van Hoecke, and Thomas Demeester. 2021. "Overly Optimistic Prediction Results on Imbalanced Data : A Case Study of Flaws and Benefits When Applying over-Sampling." *ARTIFICIAL INTELLIGENCE IN MEDICINE* 111. doi:10.1016/j.artmed.2020.101987. *Impact factor: 7.011, category: ENGINEERING, BIOMEDICAL, rank: 21/98, quartile: 1.*

18. Moeyersons, Jerico, Behrooz Farkiani, Tim Wauters, Bruno Volckaert, and [Filip De Turck](#). 2021. "Towards Distributed Emergency Flow Prioritization in Software-Defined Networks." *INTERNATIONAL JOURNAL OF NETWORK MANAGEMENT* 31 (1). doi:10.1002/nem.2127. *Impact factor: 1.914, category: TELECOMMUNICATIONS, rank: 69/94, quartile: 3.*

19. Sebrechts, Merlijn, Sander Borny, Tim Wauters, Bruno Volckaert, and [Filip De Turck](#). 2021. "Service Relationship Orchestration : Lessons Learned from Running Large Scale Smart City Platforms on Kubernetes." *IEEE ACCESS* 9: 133387–133401. doi:10.1109/ACCESS.2021.3115438. *Impact factor: 3.476, category: ENGINEERING, ELECTRICAL & ELECTRONIC, rank: 105/276, quartile: 2.*

20. Carlier, Stéphanie, Dries Coppens, Femke De Backere, and [Filip De Turck](#). 2021. "Investigating the Influence of Personalised Gamification on Mobile Survey User Experience." *SUSTAINABILITY* 13 (18). doi:10.3390/su131810434. *Impact factor: 3.889, category: ENVIRONMENTAL STUDIES, rank: 57/127, quartile: 2.*

21. Pereira dos Santos, José Pedro, Tim Wauters, Bruno Volckaert, and [Filip De Turck](#). 2021. "Towards End-to-End Resource Provisioning in Fog Computing over Low Power Wide Area Networks." *JOURNAL OF NETWORK AND COMPUTER APPLICATIONS* 175. doi:10.1016/j.jnca.2020.102915. *Impact factor: 7.574, category: COMPUTER SCIENCE, SOFTWARE ENGINEERING, rank: 8/110, quartile: 1.*

22. Goethals, Tom, [Filip De Turck](#), and Bruno Volckaert. 2021. "Self-Organizing Fog Support Services for Responsive Edge Computing." *JOURNAL OF NETWORK AND SYSTEMS*

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MANAGEMENT 29 (2). doi:10.1007/s10922-020-09581-6. *Impact factor: 2.198, category: TELECOMMUNICATIONS, rank: 62/94, quartile: 3.*

23. Vandewiele, Gilles, Femke Ongenaë, and [Filip De Turck](#). 2021. "GENDIS : Genetic Discovery of Shapelets." *SENSORS* 21 (4). doi:10.3390/s21041059. *Impact factor: 3.847, category: INSTRUMENTS & INSTRUMENTATION, rank: 19/64, quartile: 2.*

24. Farkiani, Behrooz, Bahador Bakhshi, S. Ali MirHassani, Tim Wauters, Bruno Volckaert, and [Filip De Turck](#). 2021. "Prioritized Deployment of Dynamic Service Function Chains." *IEEE-ACM TRANSACTIONS ON NETWORKING* 29 (3): 979–993. doi:10.1109/TNET.2021.3055074. *Impact factor: 3.796, category: COMPUTER SCIENCE, THEORY & METHODS, rank: 26/109, quartile: 1.*

25. Moeyersons, Jerico, Pieter-Jan Maenhaut, [Filip De Turck](#), and Bruno Volckaert. 2020. "Pluggable SDN Framework for Managing Heterogeneous SDN Networks." *INTERNATIONAL JOURNAL OF NETWORK MANAGEMENT* 30 (2). doi:10.1002/nem.2087. *Impact factor: 1.712, category: COMPUTER SCIENCE, INFORMATION SYSTEMS, rank: 127/162, quartile: 4.*

26. Maenhaut, Pieter-Jan, Bruno Volckaert, Veerle Ongenaë, and [Filip De Turck](#). 2020. "Resource Management in a Containerized Cloud : Status and Challenges." *JOURNAL OF NETWORK AND SYSTEMS MANAGEMENT* 28 (2): 197–246. doi:10.1007/s10922-019-09504-0. *Impact factor: 2.026, category: COMPUTER SCIENCE, INFORMATION SYSTEMS, rank: 113/162, quartile: 3.*

27. Carlier, Stéphanie, Sara Van der Paelt, Femke Ongenaë, Femke De Backere, and [Filip De Turck](#). 2020. "Empowering Children with ASD and Their Parents : Design of a Serious Game for Anxiety and Stress Reduction." *SENSORS* 20 (4). doi:10.3390/s20040966. *Impact factor: 3.576, category: INSTRUMENTS & INSTRUMENTATION, rank: 14/64, quartile: 1.*

28. Ordonez Ante, Leandro, Gregory Van Seghbroeck, Tim Wauters, Bruno Volckaert, and [Filip De Turck](#). 2020. "A Workload-driven Approach for View Selection in Large Dimensional Datasets." *JOURNAL OF NETWORK AND SYSTEMS MANAGEMENT* 28 (4): 1161–1186. doi:10.1007/s10922-020-09526-z. *Impact factor: 2.026, category: COMPUTER SCIENCE, INFORMATION SYSTEMS, rank: 113/162, quartile: 3.*

29. De Paepe, Dieter, Sander Vanden Hautte, Bram Steenwinckel, [Filip De Turck](#), Femke Ongenaë, Olivier Janssens, and Sofie Van Hoecke. 2020. "A Generalized Matrix Profile Framework with Support for Contextual Series Analysis." *ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE* 90. doi:10.1016/j.engappai.2020.103487. *Impact factor: 6.212, category: ENGINEERING, MULTIDISCIPLINARY, rank: 7/91, quartile: 1.*

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30. Clemm, Alexander, Maria Torres Vega, Hemanth Kumar Ravuri, Tim Wauters, and Filip De Turck. 2020. "Toward Truly Immersive Holographic-Type Ccommunication : Challenges and Solutions." *IEEE COMMUNICATIONS MAGAZINE* 58 (1): 93–99.
doi:10.1109/MCOM.001.1900272. *Impact factor: 9.619, category: ENGINEERING, ELECTRICAL & ELECTRONIC, rank: 14/273, quartile: 1.*
31. Ordonez Ante, Leandro, Gregory Van Seghbroeck, Tim Wauters, Bruno Volckaert, and Filip De Turck. 2020. "Explora : Interactive Querying of Multidimensional Data in the Context of Smart Cities." *SENSORS* 20 (9). doi:10.3390/s20092737. *Impact factor: 3.576, category: INSTRUMENTS & INSTRUMENTATION, rank: 14/64, quartile: 1.*
32. Vandewiele, Gilles, Bram Steenwinckel, Filip De Turck, and Femke Ongenaë. 2020. "MINDWALC : Mining Interpretable, Discriminative Walks for Classification of Nodes in a Knowledge Graph." *BMC MEDICAL INFORMATICS AND DECISION MAKING* 20 (Suppl 4). doi:10.1186/s12911-020-01134-w. *Impact factor: 2.796, category: MEDICAL INFORMATICS, rank: 18/30, quartile: 3.*
33. Atrey, Ankita, Gregory Van Seghbroeck, Higinio Mora, Bruno Volckaert, and Filip De Turck. 2020. "UnifyDR : A Generic Framework for Unifying Data and Replica Placement." *IEEE ACCESS* 8: 216894–216910. doi:10.1109/ACCESS.2020.3041670. *Impact factor: 3.367, category: ENGINEERING, ELECTRICAL & ELECTRONIC, rank: 94/273, quartile: 2.*
34. Heyse, Joris, Maria Torres Vega, Thomas De Jonge, Femke De Backere, and Filip De Turck. 2020. "A Personalised Emotion-Based Model for Relaxation in Virtual Reality." *APPLIED SCIENCES-BASEL* 10 (17). doi:10.3390/app10176124. *Impact factor: 2.679, category: ENGINEERING, MULTIDISCIPLINARY, rank: 38/91, quartile: 2.*
35. van der Hooft, Jeroen, Maria Torres Vega, Tim Wauters, Christian Timmerer, Ali C. Begen, Filip De Turck, and Raimund Schatz. 2020. "From Capturing to Rendering : Volumetric Media Delivery with Six Degrees of Freedom." *IEEE COMMUNICATIONS MAGAZINE* 58 (10): 49–55.
doi:10.1109/MCOM.001.2000242. *Impact factor: 9.619, category: ENGINEERING, ELECTRICAL & ELECTRONIC, rank: 14/273, quartile: 1.*
36. D'hooge, Laurens, Tim Wauters, Bruno Volckaert, and Filip De Turck. 2020. "Inter-Dataset Generalization Strength of Supervised Machine Learning Methods for Intrusion Detection." *JOURNAL OF INFORMATION SECURITY AND APPLICATIONS* 54.
doi:10.1016/j.jisa.2020.102564. *Impact factor: 3.872, category: COMPUTER SCIENCE, INFORMATION SYSTEMS, rank: 56/162, quartile: 2.*

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37. Van Damme, Sam, Maria Torres Vega, Joris Heyse, Femke De Backere, and [Filip De Turck](#). 2020. "A Low-Complexity Psychometric Curve-Fitting Approach for the Objective Quality Assessment of Streamed Game Videos." *SIGNAL PROCESSING-IMAGE COMMUNICATION* 88. doi:10.1016/j.image.2020.115954. *Impact factor: 3.256, category: ENGINEERING, ELECTRICAL & ELECTRONIC, rank: 100/273, quartile: 2.*

38. Torres Vega, Maria, Christos Liaskos, Sergi Abadal, Evangelos Papapetrou, Akshay Jain, Belkacem Mouhouche, Gokhan Kalem, Salih Ergut, Marian Mach, Tomas Sabol, Albert Cabellos-Aparicio, Christoph Grimm, [Filip De Turck](#), and Jeroen Famaey. 2020. "Immersive Interconnected Virtual and Augmented Reality : A 5G and IoT Perspective." *JOURNAL OF NETWORK AND SYSTEMS MANAGEMENT* 28 (4): 796–826. doi:10.1007/s10922-020-09545-w. *Impact factor: 2.026, category: COMPUTER SCIENCE, INFORMATION SYSTEMS, rank: 113/162, quartile: 3.*

39. Xavier Dos Santos, José Rafael, Lisandro Zambenedetti Granville, [Filip De Turck](#), and Bruno Volckaert. 2020. "Preemptive Resource Provisioning for Container-Based Audio/Video Encrypted Collaboration Applications." *JOURNAL OF NETWORK AND SYSTEMS MANAGEMENT* 28 (4): 1391–1426. doi:10.1007/s10922-020-09543-y. *Impact factor: 2.026, category: COMPUTER SCIENCE, INFORMATION SYSTEMS, rank: 113/162, quartile: 3.*

40. Goethals, Tom, [Filip De Turck](#), and Bruno Volckaert. 2020. "Near Real-Time Optimization of Fog Service Placement for Responsive Edge Computing." *JOURNAL OF CLOUD COMPUTING-ADVANCES SYSTEMS AND APPLICATIONS* 9 (1). doi:10.1186/s13677-020-00180-z. *Impact factor: 3.222, category: COMPUTER SCIENCE, INFORMATION SYSTEMS, rank: 70/162, quartile: 2.*

41. Van Hoyer, Laurens, Tim Wauters, [Filip De Turck](#), and Bruno Volckaert. 2020. "Trustful Ad Hoc Cross-Organizational Data Exchanges Based on the Hyperledger Fabric Framework." *INTERNATIONAL JOURNAL OF NETWORK MANAGEMENT* 30 (6). doi:10.1002/nem.2131. *Impact factor: 1.712, category: COMPUTER SCIENCE, INFORMATION SYSTEMS, rank: 127/162, quartile: 4.*

42. Sterckx, Lucas, Gilles Vandewiele, Isabelle Dehaene, Olivier Janssens, Femke Ongenaë, Femke De Backere, [Filip De Turck](#), Kristien Roelens, Johan Decruyenaere, Sofie Van Hoecke, and Thomas Demeester. 2020. "Clinical Information Extraction for Preterm Birth Risk Prediction." *JOURNAL OF BIOMEDICAL INFORMATICS* 110. doi:10.1016/j.jbi.2020.103544. *Impact factor: 6.317, category: MEDICAL INFORMATICS, rank: 3/30, quartile: 1.*

43. Maenhaut, Pieter-Jan, Bruno Volckaert, Veerle Ongenaë, and [Filip De Turck](#). 2019. "Efficient Resource Management in the Cloud : From Simulation to Experimental Validation

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List of Awards and Recognitions

- IEEE ComSoc Dan Stokesberry Award 2021 for particularly distinguished technical contributions to the growth of the network operations and service management field;
- IEEE Fellow for outstanding technical contributions to network resource management and adaptive service delivery, 2021;
- IEEE Computer Society Special Technical Community on Bio-inspired Computing: Research Innovation Award 2021;
- Best Reviewer Award at IEEE/IFIP Network Operations and Management Symposium (NOMS 2022), Budapest, Hungary;
- Boulvin-Van Engelen Award by Faculty of Engineering for obtaining M.Sc. degree with the highest scores, Ghent University, 1997;
- PhD Fellowship by the Fund for Scientific Research-Flanders (1997-2001);

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- Postdoctoral Fellowship by the Fund for Scientific Research-Flanders (2002-2006);
- Best Paper Award Finalist IEEE CCGrid 2001, paper “Design of a generic platform for efficient and scalable cluster computing based on middleware technology”;
- Alcatel-Lucent master thesis award, 2006, students Donny Tytgat, Jeroen De Wachter;
- Best Paper Award IEEE ATNAC 2007, paper “Efficient management of synchronised interactive services through the design of MCDP middleware”;
- Best Paper Award IEEE ATNAC 2008, paper “Design and implementation of a hybrid remote display protocol to optimize multimedia experience on thin client devices”;
- Best Paper Award for the 2009 IMIA Yearbook of Medical Informatics;
- Best Paper Award ACHI 2009 conference, paper “UIML based design of multimodal interactive applications with strict synchronization requirements”;
- Best Paper Award eTELEMED 2009, paper “Design of software services for computer-based infection control and antibiotic management in the intensive care unit”;
- Alcatel-Lucent master thesis award, 2009, students Pieter Dhondt, Tim Verbelen;
- Alcatel-Lucent master thesis award, 2010, student Killian De Smedt;
- Best Paper Award IFIP/IEEE IM 2011, paper “Design and evaluation of a hierarchical application placement algorithm in large scale clouds”;
- Best Paper Award Mobilware 2012, paper “Adaptive application configuration and distribution in mobile cloudlet middleware”;
- Best Ph.D. Dissertation award by student Steven Latré for dissertation “Autonomic QoE Management of Multimedia Networks” during the IEEE/IFIP Network Operations and Management Symposium (NOMS) 2012 in Hawaii, USA;
- Best Paper Award AIMS 2013, paper “Design and Evaluation of Tile Selection Algorithms for Tiled HTTP Adaptive Streaming”;
- Scientific Award Alcatel-Lucent Bell 2014 for PhD Dissertation of student Tim Verbelen;
- Best Paper Award IEEE/IFIP NOMS 2014, paper “Design and Evaluation of Learning Algorithms for Dynamic Resource Management in Virtual Networks”;

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- Best Demo Award IEEE INFOCOM 2017 CNERT (Computer and Networking Experimental Research using Testbeds) workshop, Paris, France for paper “RPiaaS: A Raspberry Pi Testbed for Validation of Cloud Resource Management Strategies”;
- Best Paper Award IEEE International Conference on Cloud and Services Computing 2018, paper “Unikernels versus containers: an in-depth benchmarking study in the context of microservices applications”;
- Best Presentation Award at ISBNPA 2018 (Hong Kong) for paper “Assessing navigation in eHealth apps: a Markov chain analysis of the Start2Cycle app”;
- Best Demo Award MMSys 2019, paper “Exploring New York in 4K – an Adaptive Tile-based Virtual Reality Video Streaming Experience”;
- Best Dissertation Runner-up Award MMSys 2019 for student Jeroen van der Hooft, dissertation “Low-latency Delivery of Adaptive Video Streaming Services”;
- Best Student Paper Award CLOSER 2019, paper “FUZE: a Microservice Approach to Cross-domain Federation using Docker Containers”;
- Best Student Paper Award Finalist at AIME 2019 (Poznan, Poland) for paper “A Critical Look at Studies Applying Over-Sampling on the TPEHGDB Dataset”;
- Award Finalist for ISWC 2019 “Semantic Web Challenge on Tabular Data to Knowledge Graph Matching 2019”;
- Best Paper Award International Conference of Quality of Multimedia Experience (QoMex), 2020, Paper “Objective and Subjective QoE Evaluation for Adaptive Point Cloud Streaming”;
- Best PhD Thesis and Dissertation award at SBRC 2020 for student Roberto Iraja Tavares da Costa Filho, dissertation “From 2D to Next Generation VR/AR Videos: Enabling Efficient Streaming via QoE-aware Mobile Networks”;
- FWO Postdoctoral Fellowships for Tim Wauters, Maria Torres Vega, Pieter Bonte, Jeroen van der Hooft and José Pedro Pereira dos Santos (2008-2022);
- Invited keynote speaker at various international conferences, such as QoMex 2021, ITC 2021, CoNEXT ViSNext 2021, IEEE LatinCom 2021, IEEE/IFIP NOMS 2022, Globecom 2022, etc;
- imec PhD Excellence Award 2022 for student José Pedro Pereira dos Santos;

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- ICWE 2022 Best Demo Paper Award for paper "Solid Web Monetization".

Industry Collaborations and Obtained Funding

Successful collaborations with Adobe research, Alcatel-Lucent/Nokia Bell Labs, Axians, Barco, Belgacom/Proximus, Deutsche Telecom, Eandis, EnergyVille, Fifthplay, IBM, Inmanta, KPN, Orange, SDNsquare, Siemens, Skyline, Smappee, Telefonica, Telenet, Televic, Velocix, and Viessman. These collaborations resulted in project deliverables, software platforms, demonstrators, patents, joint publications, etc. Moreover, several industry partners used the project results directly in their products. In addition, the [Tengu](#) start-up company was founded based on the above research expertise and demand from industry.

List of Main Professional Services

- Editor-in-Chief of [IEEE Transactions on Network and Service Management](#) (TNSM) (2018-2021, 4 year term, Impact factor: 4.682);
- Steering Committee Member of [IEEE/IFIP NOMS](#) (2017-present), [IFIP/IEEE IM](#) (2017-present), and [IEEE NetSoft](#) (2015-present);
- Member of the [IEEE SDN Initiative](#) Steering Committee, and Chair of Conference Committee (2014-2017); as Chair of Conferences of the IEEE SDN Initiative, significant contributions were made to the establishment of the IEEE NetSoft Conference in 2015 and the organization of 6 editions of the conference: in [London, UK in 2015](#), [Seoul, Korea in 2016](#), [Bologna, Italy in 2017](#), [Montreal, Canada, in 2018](#), [Paris, France in 2019](#), and [Ghent, Belgium in 2020](#);
- Chair of [IEEE Technical Committee on Network Operations and Management \(CNOM\)](#) (2017-2021); the IEEE CNOM Technical Committee focuses on network and service management research including network resource management and adaptive service delivery. It supports activities in these areas including the organization of conferences and workshops, journal and magazine publications, standard development, IEEE distinguished lectures program, etc.;
- Research lead of several national projects with industry and academia, 2004-2018, including T-CASE, MISTRAL, V-FORCE, PROFLOW, Shift-TV, EMD, where advanced

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resource management and adaptive service delivery techniques were developed and thoroughly evaluated;

- Steering Committee member of [IFIP International Conference on Autonomous Infrastructure, Management and Security \(AIMS\)](#), 2015-2018, and [International Conference on Network and Service Management \(CNSM\)](#), 2018-present;
- Vice-Chair of the IEEE Network Softwarization Conference (NetSoft) Steering Committee;
- Chair of Alumni Association of Engineers graduated at Ghent University (2021-);
- Vice chair of [Alumni Association of Engineers graduated at Ghent University](#) (2015-2020);
- Chair of the [EU Future Internet Cluster](#) in the Frame Program 7 (FP7), 2014-2017, coordinating collaboration between European projects on future internet design, including network resource management and adaptive service delivery;
- Chair of Industry and Academic collaborations of the EU FP7 Network of Excellence project FLAMINGO, 2012-2016, focusing on Future Internet design including resource management of softwarized networks, novel network monitoring and service delivery;
- Chair of the Academic Board in the EU FP6 MUSE integrated project, 2004-2008, responsible for the coordination of the research work of the academic partners on advanced service delivery;
- Technical Program Chair of the IEEE ComSoc Technical Committee on Network Operations and Management (CNOM), 2011-2014;
- Vice-chair of the IEEE ComSoc Technical Committee on Network Operations and Management (CNOM), 2015-2016;
- Associate Editor-in-Chief of Wiley International Journal on Network Management, 2014-2018;
- Associate Editor of Springer Journal on Network and Systems Management, 2011-2016;
- Editorial Advisory Board Member of Springer Journal on Network and Service Management, 2014-present;

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- Associate Editor of Wiley International Journal on Network Management, 2012-present;
- Associate Editor-in-Chief of IEEE Transactions on Network and Service Management (TNSM), 2017;
- Lead Guest Editor of 3 IEEE TNSM special Issues on “Management of Softwarized Networks”, 2015-2017 (attracted 162 submissions in total);
- Associate Editor of IEEE Transactions on Network and Service Management (TNSM), 2012-2016;
- Guest Editor of IEEE Communications Magazines Feature Topic on “Advances in Networking Software”, 2017 (attracted 50+ paper submissions);
- General Chair of IEEE Conference on Network Softwarization (NetSoft) 2019 in Paris, France and NetSoft 2020 in Ghent, Belgium;
- Technical Program Committee Chair of IEEE/IFIP Network Operations and Management Symposium (NOMS) 2012 in Hawaii, USA, IFIP/IEEE Integrated Network Management Symposium (IM) 2013 in Ghent, Belgium, and IEEE Conference on Network Softwarization (NetSoft) 2016 in Seoul, Korea;
- Symposium Chair of IEEE Conference on Smart Grid Communications (SmartGridcomm) 2011 in Brussels, Belgium and SmartGridcomm 2012 in Tainan City, Taiwan;
- Technical Program Committee Member of IEEE/IFIP NOMS 2008-present, IFIP/IEEE IM 2007-present, IEEE NetSoft 2015-present, and numerous workshops organized by the network and service management community;
- Founder and workshop chair of several IEEE workshops, including IEEE SmartGridMan 2010 in Osaka, Japan, IEEE QCMan 2013 in Ghent, Belgium, IEEE ManFi 2012 in Hawaii, USA, IEEE AnNet 2017 in Lisbon, Portugal, etc.;
- Panels Chair of IFIP Networking Conference 2020 in Paris, France;
- TPC Chair of IFIP International Conference on Autonomous Infrastructure, Management and Security (AIMS) 2010 in Zurich, Switzerland;
- General Chair of IFIP International Conference on Autonomous Infrastructure, Management and Security (AIMS) 2015 in Ghent, Belgium;

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- Technical Program Committee Member of International Conference on Network and Service Management (CNSM), 2010-present;
- Principal Investigator [Flanders AI Research Program](#);
- Finance Chair of the [IFIP/IEEE Integrated Network Management Symposium \(IM\), 2021](#) in Bordeaux, France;
- Reviewer and panel member for [NSF \(National Science Foundation\), USA](#);
- Workshop Chair for [ACM SenSys conference, 2021](#), in Coimbra, Portugal;
- Award Committee Member for the [IEEE International Conference on Communications \(ICC\), 2021](#), Montreal, Canada;
- Advisory Editorial Board member of [Wiley Journal of Software: Practice and Experience](#) (2021-);
- Co-Chair of the Distinguished Expert Panel at the International Conference on Network and Service Management (CNSM), 2021 in Izmir, Turkey;
- Co-Chair of the Distinguished Expert Panel at the IEEE Network Softwarization Conference (NetSoft), 2022 in Milan, Italy;
- Publication Chair IEEE Future Directions Initiative on Public Safety;
- Patron Chair for IEEE/IFIP Network Operations and Management Symposium (NOMS 2023), Miami, Florida.

List of Courses as Responsible Teacher in the Ghent University Engineering program

Responsible teacher of the following courses in the Ghent University Engineering program:

- Computer Programming
- System Programming
- Parallel and Distributed Software Systems
- Data Analytics for Health Care and Connected Care

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Overview of Research Infrastructure and Software Platforms

Research projects typically involve algorithm and software prototype development, together with large-scale experimental studies to validate the research findings and to obtain realistic data-sets. Several open-source platforms are developed (including [Obelisk](#), [JFed](#), [Tengu](#)). An overview of the developed research infrastructure is available [here](#).

During the EU FP7 Fed4Fire (2012-2016) and H2020 Fed4Fire+ (2017-2020) flagship projects, the [largest federation of world-wide Next Generation Internet \(NGI\) testbeds](#) was established. The [JFed resource management and service delivery software framework](#) was designed and produced. This software framework is successfully used on the world-wide testbeds.

List of Supervised PhD students, who obtained the PhD degree

1.	
Name doct. candidate	José Pedro Pereira dos Santos
Name promoter and (if applicable) copromoter	<ul style="list-style-type: none"> • Filip De Turck • Tim Wauters
Institution	Ghent University
Date	2022-04-06 16:00
Title	Efficient resource allocation in a fog computing environment
2.	
Name doct. candidate	Leandro Ordonez Ante
Name promoter and (if applicable) copromoter	<ul style="list-style-type: none"> • Filip De Turck • Tim Wauters
Institution	Ghent University
Date	2022-03-07 17:00
Title	Enabling interactive querying for latency-sensitive applications on big datasets
3.	

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Name doct. candidate	Tom Goethals
Name promoter and (if applicable) copromoter	<ul style="list-style-type: none"> Filip De Turck Bruno Volckaert
Institution	Ghent University
Date	2022-05-10 17:00
Title	Scalable and flexible low-resource service orchestration for enabling smart cities
4.	
Name doct. candidate	Jerico Moeyersons
Name promoter and (if applicable) copromoter	<ul style="list-style-type: none"> Filip De Turck Bruno Volckaert
Institution	Ghent University
Date	2022-03-30 16:00
Title	UAVaaS : efficient management of network flows and cloud infrastructures for drone applications
5.	
Name doct. candidate	Joris Heyse
Name promoter and (if applicable) copromoter	<ul style="list-style-type: none"> Filip De Turck Femke De Backere
Institution	Ghent University
Date	2022-06-27 15:30
Title	Design and evaluation of advanced virtual reality applications in healthcare
6.	
Name doct. candidate	Gilles Vandewiele
Name promoter and (if applicable) copromoter	<ul style="list-style-type: none"> Filip De Turck Femke Ongenae
Institution	Ghent University
Date	2021-02-25 13:00

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Title	Explainable data mining for critical domains based on complex data structures
7.	
Name doct. candidate	José Rafael Xavier Dos Santos
Name promoter and (if applicable) copromoter	<ul style="list-style-type: none"> • Filip De Turck • Bruno Volckaert
Institution	Ghent University
Date	2020-02-17 10:00
Title	Efficient cloud resource provisioning for audio/video collaboration applications
8.	
Name doct. candidate	Jeroen van der Hooft
Name promoter and (if applicable) copromoter	<ul style="list-style-type: none"> • Filip De Turck • Tim Wauters
Institution	Ghent University
Date	2019-06-14 16:00
Title	Aflevering van adaptieve videodiensten met beperkte vertraging
9.	
Name doct. candidate	Pieter Bonte
Name promoter and (if applicable) copromoter	<ul style="list-style-type: none"> • Filip De Turck • Femke Ongenae
Institution	Ghent University
Date	2019-04-17 16:00
Title	Efficiënte verwerking van heterogene IoT-data aan de hand van expressieve redeneertechnieken
10.	
Name doct. candidate	Pieter-Jan Maenhaut
Name promoter and (if applicable) copromoter	<ul style="list-style-type: none"> • Filip De Turck

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	<ul style="list-style-type: none"> Bruno Volckaert
Institution	Ghent University
Date	2019-07-04 16:00
Title	Efficient resource management in a multi-tenant cloud environment
11.	
Name doct. candidate	Stefano Petrangeli
Name promoter and (if applicable) copromoter	<ul style="list-style-type: none"> Filip De Turck Tim Wauters
Institution	Ghent University
Date	2018-03-02 15:00
Title	QoE-centric network-assisted delivery of adaptive video streaming services
12.	
Name doct. candidate	Thomas Vanhove
Name promoter and (if applicable) copromoter	<ul style="list-style-type: none"> Filip De Turck Gregory Van Seghbroeck
Institution	Ghent University
Date	2018-01-16 17:00
Title	Beheer van heterogene opslagtechnologieën voor snelle datatoegang in 'Big Data'-omgevingen
13.	
Name doct. candidate	Maryam Barshan
Name promoter and (if applicable) copromoter	<ul style="list-style-type: none"> Filip De Turck Bruno Volckaert
Institution	Ghent University
Date	2017-10-12 10:00
Title	Cloud resource provisioning and bandwidth management in media-centric networks

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14.	
Name doct. candidate	Rein Houthoof
Name promoter and (if applicable) copromoter	<ul style="list-style-type: none"> Filip De Turck
Institution	Ghent University
Date	2017-03-09 17:00
Title	Machine learning algorithms for structured decision making
15.	
Name doct. candidate	Maxim Claeys
Name promoter and (if applicable) copromoter	<ul style="list-style-type: none"> Filip De Turck Steven Latré
Institution	Ghent University
Date	2017-03-01 16:00
Title	Quality-driven management of video streaming services in segment-based cache networks
16.	
Name doct. candidate	Niels Bouten
Name promoter and (if applicable) copromoter	<ul style="list-style-type: none"> Filip De Turck Steven Latré
Institution	Ghent University
Date	2016-10-05 16:00
Title	QoE management of HTTP adaptive streaming services
17.	
Name doct. candidate	Femke De Backere
Name promoter and (if applicable) copromoter	<ul style="list-style-type: none"> Filip De Turck
Institution	Ghent University
Date	2016-06-03 16:00
Title	Design and management of pervasive eCare services
18.	
Name doct. candidate	Kevin Mets

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Name promoter and (if applicable) copromoter	<ul style="list-style-type: none"> • Chris Develder • Filip De Turck
Institution	Ghent University
Date	2015-03-09 18:30
Title	Optimal and scalable management of smart power grids with electric vehicles
19.	
Name doct. candidate	Hendrik Moens
Name promoter and (if applicable) copromoter	<ul style="list-style-type: none"> • Filip De Turck • Bart Dhoedt
Institution	Ghent University
Date	2015-06-02 17:00
Title	Management of customizable software-as-a-service in cloud and network environments
20.	
Name doct. candidate	Tim Verbelen
Name promoter and (if applicable) copromoter	<ul style="list-style-type: none"> • Bart Dhoedt • Filip De Turck
Institution	Ghent University
Date	2013-07-04 15:30
Title	Adaptive offloading and configuration of resource intensive mobile applications
21.	
Name doct. candidate	Bert Vankeirsbilck
Name promoter and (if applicable) copromoter	<ul style="list-style-type: none"> • Bart Dhoedt • Filip De Turck
Institution	Ghent University
Date	2013-06-27 16:00
Title	Optimisation of quality of experience for mobile thin client

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	systems
22.	
Name doct. candidate	Ivo Couckuyt
Name promoter and (if applicable) copromoter	<ul style="list-style-type: none"> • Tom Dhaene • Filip De Turck
Institution	Ghent University
Date	2013-05-23 14:00
Title	Forward and inverse surrogate modeling of computationally expensive problems
23.	
Name doct. candidate	Anna Hristoskova
Name promoter and (if applicable) copromoter	<ul style="list-style-type: none"> • Filip De Turck
Institution	Ghent University
Date	2013-01-07 17:30
Title	Design of semantic reasoning systems for efficient management of next generation context-aware services
24.	
Name doct. candidate	Kristof Steurbaut
Name promoter and (if applicable) copromoter	<ul style="list-style-type: none"> • Filip De Turck • Johan Decruyenaere
Institution	Ghent University
Date	2013-02-26 17:00
Title	Design and optimization of medical information services for decision support
25.	
Name doct. candidate	Femke Ongenae
Name promoter and (if applicable) copromoter	<ul style="list-style-type: none"> • Filip De Turck • Tom Dhaene
Institution	Ghent University

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Date	2013-08-21 17:00
Title	Ontology design and management for eCare services
26.	
Name doct. candidate	Philip Leroux
Name promoter and (if applicable) copromoter	<ul style="list-style-type: none"> • Filip De Turck • Bart Dhoedt
Institution	Ghent University
Date	2012-11-19 17:00
Title	Optimization and distribution of interactive personalized services
27.	
Name doct. candidate	Niels Sluijs
Name promoter and (if applicable) copromoter	<ul style="list-style-type: none"> • Bart Dhoedt • Filip De Turck
Institution	Ghent University
Date	2012-06-26 16:00
Title	Scalable service for flexible access to personal content
28.	
Name doct. candidate	Jeroen Famaey
Name promoter and (if applicable) copromoter	<ul style="list-style-type: none"> • Filip De Turck • Bart Dhoedt
Institution	Ghent University
Date	2012-06-21 16:00
Title	Federated and autonomic management of multimedia services
29.	
Name doct. candidate	Stijn Verstichel
Name promoter and (if applicable) copromoter	<ul style="list-style-type: none"> • Filip De Turck • Bart Dhoedt
Institution	Ghent University

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Date	2011-06-15 16:00
Title	Distributed reasoning for context-aware services
30.	
Name doct. candidate	Steven Latré
Name promoter and (if applicable) copromoter	<ul style="list-style-type: none"> • Filip De Turck • Bart Dhoedt
Institution	Ghent University
Date	2011-06-01 16:00
Title	Autonomic QoE management of multimedia networks
31.	
Name doct. candidate	Gregory Van Seghbroeck
Name promoter and (if applicable) copromoter	<ul style="list-style-type: none"> • Bart Dhoedt • Filip De Turck
Institution	Ghent University
Date	2011-06-21 16:00
Title	Design-time validation and execution of service choreographies
32.	
Name doct. candidate	Matthias Strobbe
Name promoter and (if applicable) copromoter	<ul style="list-style-type: none"> • Filip De Turck • Bart Dhoedt
Institution	Ghent University
Date	2011-06-23 16:00
Title	Advanced techniques for context-aware service provisioning
33.	
Name doct. candidate	Pieter Simoens
Name promoter and (if applicable) copromoter	<ul style="list-style-type: none"> • Bart Dhoedt • Filip De Turck
Institution	Ghent University
Date	2011-02-18 15:30

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Title	Thin client protocol optimisations for mobile cloud computing
34.	
Name doct. candidate	Lien Deboosere
Name promoter and (if applicable) copromoter	<ul style="list-style-type: none"> • Filip De Turck • Bart Dhoedt
Institution	Ghent University
Date	2011-10-06 16:00
Title	Efficient management of mobile cloud computing services
35.	
Name doct. candidate	Nico Goeminne
Name promoter and (if applicable) copromoter	<ul style="list-style-type: none"> • Frank Gielen • Filip De Turck
Institution	Ghent University
Date	2009-06-23 16:00
Title	Generic framework for extending the OSGi service platform
36.	
Name doct. candidate	Bruno Van Den Bossche
Name promoter and (if applicable) copromoter	<ul style="list-style-type: none"> • Filip De Turck • Bart Dhoedt
Institution	Ghent University
Date	2009-10-12 16:00
Title	Dynamic optimization of the component deployment for autonomic distributed systems
37.	
Name doct. candidate	Wouter Haerick
Name promoter and (if applicable) copromoter	<ul style="list-style-type: none"> • Filip De Turck • Chris Develder
Institution	Ghent University
Date	2009-11-09 16:00

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Title	Advanced residential service management
38.	
Name doct. candidate	Tim Stevens
Name promoter and (if applicable) copromoter	<ul style="list-style-type: none"> • Filip De Turck • Bart Dhoedt
Institution	Ghent University
Date	2009-01-26 16:00
Title	Scalable and transparent IP anycast service
39.	
Name doct. candidate	Sofie Van Hoecke
Name promoter and (if applicable) copromoter	<ul style="list-style-type: none"> • Filip De Turck • Bart Dhoedt
Institution	Ghent University
Date	2009-06-16 16:00
Title	Efficient service management in healthcare
40.	
Name doct. candidate	Bart De Vleeschauwer
Name promoter and (if applicable) copromoter	<ul style="list-style-type: none"> • Bart Dhoedt • Filip De Turck
Institution	Ghent University
Date	2008-09-18 00:00
Title	Quality optimization of multimedia services through overlay networks
41.	
Name doct. candidate	Koert Vlaeminck
Name promoter and (if applicable) copromoter	<ul style="list-style-type: none"> • Filip De Turck • Bart Dhoedt
Institution	Ghent University
Date	2007-10-11 16:00

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Title	Service Enablers for Converged IP Access Networks
42.	
Name doct. candidate	Frederic Van Quickenborne
Name promoter and (if applicable) copromoter	<ul style="list-style-type: none"> • Filip De Turck • Piet Demeester
Institution	Ghent University
Date	2007-11-22 17:00
Title	Design and efficient management of aggregation networks for fast moving users
43.	
Name doct. candidate	Tom Verdickt
Name promoter and (if applicable) copromoter	<ul style="list-style-type: none"> • Bart Dhoedt • Filip De Turck
Institution	Ghent University
Date	2007-06-18 00:00
Title	Performance Analysis of Distributed Systems Based on Architectural System Models
44.	
Name doct. candidate	Steven Van den Berghe
Name promoter and (if applicable) copromoter	<ul style="list-style-type: none"> • Piet Demeester • Filip De Turck
Institution	Ghent University
Date	2005-06-20 16:00
Title	Evaluatie van architecturen en algoritmen voor adaptieve traffic engineering

In case you would need more information, please feel free to contact me.

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Sincere regards,

Prof. Filip De Turck
<https://www.ugent.be/ea/idlab/en/members/filip-de-turck.htm>