

Publikationen

- (2020): Requirements for prescriptive recommender systems extending the lifetime of EV batteries. In: 2020 10th International Conference on Advanced Computer Information Technologies (ACIT), Deggendorf.
- (2020): Mixed-Integer-Linear-Programming model for the charging scheduling of electric vehicle fleets. In: 2020 10th International Conference on Advanced Computer Information Technologies (ACIT), Deggendorf.
- (2020): Mixed-Integer-Linear-Programming model for the charging scheduling of electric vehicle fleets. In: Proceedings of the 2020 10th International Conference on Advanced Computer Information Technologies (ACIT) [September 6-8, 2020; Deggendorf]. DOI: 10.1109/ACIT49673.2020.9208875.
- (2020): Requirements for prescriptive recommender systems extending the lifetime of EV batteries. In: Proceedings of the 2020 10th International Conference on Advanced Computer Information Technologies (ACIT) [September 6-8, 2020; Deggendorf]. DOI: 10.1109/ACIT49673.2020.9209011.
- (2019): Sustainable Peer-to-Peer Energy Trading Principles and Smart Meter Requirements for Smart Grids. In: Bavarian Journal of Applied Sciences, vol. 5, no. 1, pp. 461-475. DOI: 10.25929/bjas.v5i1.66.
- (2019): Smart Grid Technologies for Rural Areas and SMEs. In: Shaping a Sustainable Energy Future: 9th Colloquium of the Munich School of Engineering (August 1, 2019).
- (2019): Viability and Optimality of Electric Vehicle Fleet Schedules. In: 2019 9th International Conference on Advanced Computer Information Technologies (ACIT'2019) [Ceske Budejovice, Czech Republic, June 5-7, 2019].
- (2018): Verlängerte Batterielebensdauer von Elektrofahrzeugen durch dynamische Nutzungsempfehlungen. In: 4. Jahreskonferenz des Netzwerks INDIGO (Internet und Digitalisierung Ostbayern), Deggendorf.
- (2018): Usage Profiling in Electric Vehicles. In: Bavarian Journal of Applied Sciences, vol. 4, no. 1, pp. 342-353. DOI: 10.25929/bjas.v4i1.52.
- (2018): Management of Virtual Desktops in Energy Efficient Office Environments Using Thin Clients. In: Ninth International Conference on Cloud Computing, GRIDs, and Virtualization (CLOUD COMPUTING 2018), colocated with ComputationWorld 2018, Barcelona, Spanien.
- (2018): The Role of Smart Meters in P2P Energy Trading in the Low Voltage Grid. In: Advanced Computer Information Technologies- ACIT 2018, České Budějovice, Czech Republic.
- (2018): Benchmarking and User Types in Virtual Desktop Infrastructures. In: 2018 IEEE 14th International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj-Napoca, Romania.
- (2018): Benchmarking and User Types in Virtual Desktop Infrastructures. In: Proceedings of the 2018 IEEE 14th International Conference on Intelligent Computer Communication and Processing (ICCP) [September 6-8, 2018; Cluj-Napoca, Romania].
- (2018): The Role of Smart Meters in P2P Energy Trading in the Low Voltage Grid. In: Proceedings of ACIT 2018 (International Conference "Advanced Computer Information Technologies").
- (2018): Dynamic EV Battery Health Recommendations. In: ACM e-Energy '18: Proceedings of the Ninth ACM International Conference on Future Energy Systems (June 12-15, 2018; Karlsruhe, Germany), New York, NY.
- (2018): Dynamic Generation of Recommendations for EV Battery Health. In: 2018 International Conference of Electrical and Electronic Technologies for Automotive (AUTOMOTIVE) [9-11 July, 2018; Milan, Italy]. DOI: 10.23919/EETA.2018.8493182.

- (2018): WVDI - Workstation based Virtual Desktop Infrastructure. Eine verteilte hyperkonvergente Infrastruktur.. Posterpräsentation. In: 5. Tag der Forschung, Deggendorf.
- (2018): Smart Grid-Technologien für ländliche Gebiete und KMU. Posterpräsentation. In: 5. Tag der Forschung, Deggendorf.
- (2018): Optimierte Ladeplanung von Elektrofahrzeugflotten. Posterpräsentation. In: 5. Tag der Forschung, Deggendorf.
- (2018): Classification of Electric Vehicle Fleets Considering the Complexity of Fleet Charging Schedules. [Status: Presented]. In: ACM e-Energy '18: Proceedings of the Ninth ACM International Conference on Future Energy Systems (June 12-15, 2018; Karlsruhe, Germany), New York, NY.
- (2018): Management of Virtual Desktops in Energy Efficient Office Environments Using Thin Clients. In: Proceedings of the Ninth International Conference on Cloud Computing, GRIDs, and Virtualization (CLOUD COMPUTING 2018), colocated with ComputationWorld 2018 (IARIA; Barcelona, Spain;February 18-22, 2018).
- (2018): A Novel Approach on Battery Health Monitoring. In: Proceedings of the 7th Conference on Future Automotive Technology (CoFAT) [May 8th-9th, 2018;Fürstenfeldbruck].
- (2017): Seamless Electromobility. In: ACM e-Energy '17:Proceedings of the Eighth ACM International Conference on Future Energy Systems (May 16-19, 2017;Shatin, Hong Kong), New York NY. DOI: 10.1145/3077839.3078461.
- (2014): VDE-Positionspapier Energieinformationsnetze und -systeme (Smart Grid Security). In: VDE-Kongress 2014 Smart Cities (Intelligente Lösungen für das Leben in der Zukunft, Kongressbeiträge 20./21.10.2014, Frankfurt/Main, Messe), Berlin.
- (2014): Intelligentes Stromnetz der Zukunft. In: Niederbayern-Forum e.V. - Das Who is Who der Niederbayerischen Energiewirtschaft, no. März, pp. 90-91.
- (2013): Modelling Power Adaption Flexibility of Data Centres for Demand-Response Management. In: Energy Efficiency in Large Scale Distributed Systems: COST IC0804 European Conference, EE-LSDS 2013, Vienna, Austria, April 22-24, 2013, Revised Selected Papers.
- (2013): The Benefits of Integrating Data Centres into Demand-Response Management: A Local Case Study. In: Energieinformatik 2013, Wien.
- (2013): Smart Grid Considerations - Energy Efficiency vs. Security. In: Advances in Computers:Green and Sustainable Computing:Part II, vol. 88.
- (2013): Virtual Energy Information Network: A Resilience Perspective. In: e&i Elektrotechnik & Informationstechnik (Special Issue on 'Smart Grid and Security'), vol. 130, no. 4-5, pp. 121-126.
- (2012): Sustainable Energy Management in Data Centres through Collaboration. In: Energy efficient data centers, Berlin; New York, vol. 7396.
- (2012): Survey on Energy Efficiency in Office and Residential Computing Environments. In: Journal on Green Engineering, vol. 2, no. 3, pp. 255-272.
- (2012): Energia e futura Internet. RTI - Redes, Telecom e Instalacoes. In: Aranda Editora Tecnica e Cultural, vol. 13, no. Juni, pp. 70-75.
- (2011): Energy-Efficient and Performance-Conserving Resource Allocation in Data Centers. In: Energy efficiency in large scale distributed systems, [Toulouse].
- (2011): Energy- and Performance-Aware Resource Management in G-Lab and Future Internet Infrastructures. In: Proceedings of the 11th Würzburg Workshop on IP: Joint ITG and Euro-NF Workshop "Visions of Future Generation Networks" (EuroView2011).
- (2011): Energy Efficiency in Office Computing Environments. Wissenschaftspreis der Universität Passau 2012.



- (2011): Redução do consumo de energia de computadores de escritórios. In: *Electricidade Moderna*, no. April, pp. 66-77.
- (2011): Integrating Mobile Cellular Devices into Popular Peer-to-Peer Systems. In: *Telecommunication Systems*, vol. 48, no. September, pp. 173-184.
- (2011): An Energy-Consumption Model for Energy-Efficient Office Environments. In: *Future Generation Computer Systems*, vol. 27, no. 8, pp. 1047-1055.
- (2010): Virtualisierung im Future Internet - Virtualisierungsmethoden und Anwendungen. In: *Informatik-Spektrum*, vol. 33, no. 2, pp. 186-194. DOI: 10.1007/s00287-010-0420-z.
- (2010): A Virtualized Energy-Efficient Office Environment. In: *Proceedings of the ACM SIGCOMM 1st International Conference On Energy-Efficient Computing and Networking (e-Energy 2010)*.
- (2010): Energy-Efficient Office Environments. In: *Energy efficiency in large scale distributed systems*.
- (2010): Modeling Mobility. In: *Modeling and Tools for Network Simulation*, Berlin; New York.
- (2010): Network Virtualization in Energy-Efficient Office Environments. In: *Computer Networks (ComNet)*, vol. 54, no. November, pp. 2856-2868.
- (2009): Integration of Mobile Devices into Popular Peer-to-Peer Networks. In: *Proceedings of the 5th Euro-NGI Conference on Next Generation Internet Networks (July 1-3, 2009; Aveiro, Portugal)*, Piscataway, NJ.
- (2009): A Viewpoint of the Network Management Paradigm for Future Internet Networks. In: *Proceedings of the 1st IFIP/IEEE International Workshop on Management of the Future Internet (ManFI 2009)*.
- (2009): Network Virtualization in Future Home Environments. In: *Integrated management of systems, services, processes and people in IT*, Berlin [u.a.], vol. 5841.
- (2009): An Energy-Efficient Distributed Office Environment. In: *Proceedings of the 1st International Conference on Emerging Network Intelligence (EMERGING 2009)*; includes the 5th European Conference on Universal Multiservice Networks (ECUMN 2009).
- (2009): P2P Solutions for Cellular Networks. In: *Proceedings of the 1st International Conference on Advances in P2P Systems (AP2PS 2009)*.
- (2009): Mobile P2P in Cellular Networks: Architecture and Performance. In: *Mobile peer-to-peer computing for next generation distributed environments*, Hershey, PA.
- (2009): Management Architecture and Systems for Future Internet Networks. In: *Towards the Future Internet*, Washington, DC.
- (2009): Using System Virtualization to Create Virtualized Networks. In: *Electronic Communications of the EASST (Workshops der Wissenschaftlichen Konferenz Kommunikation in Verteilten Systemen (WowKiVS2009))*, vol. 17, pp. 1-12.
- (2009): Energy-Efficient Cloud Computing. In: *The Computer Journal*, no. Advance Access Publication, pp. 1-7.
- (2009): Virtualization in Energy-Efficient Future Home Environments. In: *IEEE Communications Magazine*, vol. 47, no. Dezember, pp. 62-67.
- (2008): Towards a Policy-Based Autonomic Virtual Network to Support Differentiated Security Services. In: *Proceedings of the International Conference on Telecommunications and Multimedia (TEMU 2008) [July 16-18, 2008; Ierapetra, Crete, Greece]*.
- (2008): Energy Efficiency in Future Home Environments: A Distributed Approach. In: *Home networking*, New York, vol. 256.



- (2008): An Economical Cost Model for fair resource sharing in Virtual Home Environments. In: Proceedings of the 4th Euro-NGI International Conference on Next Generation Internet Networks (NGI2008).
- (2008): Towards an Information Model That Supports Service-Aware, Self-Managing Virtual Resources. In: Modelling Autonomic Communications Environments - Proceedings of the 3rd IEEE international workshop, MACE 2008 (September 22-26, 2008; Samos Island, Greece), Berlin, vol. 5276.
- (2008): Self-organising Management Overlays for Future Internet Services. In: Modelling Autonomic Communications Environments - Proceedings of the 3rd IEEE international workshop, MACE 2008 (September 22-26, 2008; Samos Island, Greece), Berlin, vol. 5276.
- (2008): Management of Virtual Networks. In: Middleware technologies for enabling next generation network services and applications (Samos Island, Greece, 22nd - 26th September 2008; Proceedings of the 5th International Workshop on Next Generation Networking Middleware (NGNM 2008) and 4th IEEE/IFIP International Workshop on End-to-end Virtualization and Grid Management (EVMG 2008)), Schöneiche bei Berlin, vol. No. 9.
- (2008): Virtual Network Management with XEN. In: Tagungsband Herbsttreffen 2008 der GI/VTG Fachgruppe Betriebssysteme und KuVS(Okttober 2008; Garching).
- (2008): Virtualized Networks based on System Virtualization. In: Proceedings of the 2nd GI/ITG KuVS Workshop on The Future Internet (November 2008; Karlsruhe).
- (2008): Distributed Energy Efficiency in Future Home Environments. In: Annals of Telecommunications (Special issue:Next Generation Network and Service Management), vol. 63, no. Oktober, pp. 473-485.
- (2007): A Source Routing Solution to Non-Transitive Connectivity Problems in Distributed Hash Tables. In: Proceedings of 12th IEEE Symposium on Computers and Communications (ISCC'07) [July 1-4, 2007; Aveiro, Portugal].
- (2006): Mobility, Mobility Management Mechanisms, and a Mobile P2P Architecture. In: Transactions on Automated Control Systems, vol. 1, no. Dezember, pp. 179-186.