

Publikationen

- (2021): Warning apps for road safety – a technological and economical perspective for autonomous driving. [Article submitted]. In: International Journal of Human-Computer Interaction.
- (2020): Education 4.0: IoT- und CoP-unterstützte Smarte E-Learning Prozesse. In: Tagungsband zum 19. E-Learning-Tag der FH JOANNEUM: Innovation & Reflexion – Henne oder Ei? , vol. 130.
- (2020): Education 4.0: An Adaptive Framework with Artificial Intelligence, Raspberry Pi and Wearables- Innovation for Creating Value. In: Proceedings of the 2020 IEEE 26th International Symposium for Design and Technology in Electronic Packaging (SIITME). DOI: 10.1109/SIITME50350.2020.9292148.
- (2020): Education 4.0: Smart Blended Learning assisted by Artificial Intelligence, Biofeedback and Sensors. In: Proceedings of the 2020 IEEE 14th International Symposium on Electronics and Telecommunications (ISETC2020). DOI: 10.1109/ISETC50328.2020.9301034.
- (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): Generating consumer load profiles to assess demand-side management potential of industries. Paper ID: 1063. In: Energy Proceedings 2020 - Proceedings of 11th International Conference on Applied Energy (12-15 August 2019; Västerås, Sweden).
- (2020): Unveiling the potential for combined heat and power in Chilean industry-A policy perspective. In: Energy Policy, vol. 140, no. May. DOI: 10.1016/j.enpol.2020.111331.
- (2020): Unsupervised grouping of industrial electricity demand profiles: synthetic profiles for demand-side management applications. In: Energy, no. Available online 1 October 2020. DOI: 10.1016/j.energy.2020.118962.
- (2020): Lightweight edge authentication for software defined networks. In: Computing (Special Issue), no. 8 August 2020. DOI: 10.1007/s00607-020-00835-4.
- (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.
- (2020): Digitale Partizipation als Prozessbeschleuniger für öffentliche Projekte - Bürgerbeteiligung im Projekt ALIA in der Gemeinde Weiherhammer. Posterpräsentation. In: INUAS International Conference 2020: Ressourcen - Zeit, Raum, Energie, Material (INUAS-Konferenzreihe - Urbane Transformationen: Wohnen, Ressourcen, Öffentliche Räume), München.
- (2020): Digitale Partizipation von FörderschülerInnen zur sozial und materiell nachhaltigen Gestaltung des Baubestands - Chancen digitaler Beteiligung von SchülerInnen am Beispiel der Schulhaussanierung des Rupert-Egenberger-Förderschulzentrums in der Stadt Amberg/Opf.. Posterpräsentation. In: INUAS International Conference 2020: Ressourcen - Zeit, Raum, Energie, Material (INUAS-Konferenzreihe - Urbane Transformationen: Wohnen, Ressourcen, Öffentliche Räume), München.

(2020): Digitale Partizipation als Prozessbeschleuniger für öffentliche Projekte - Bürgerbeteiligung im Projekt ALIA in der Gemeinde Weiherhammer. In: INUAS International Conference 2020: Ressourcen - Zeit, Raum, Energie, Material (INUAS-Konferenzreihe - Urbane Transformationen: Wohnen, Ressourcen, Öffentliche Räume), München.

(2020): Digitale Partizipation von FörderschülerInnen zur sozial und materiell nachhaltigen Gestaltung des Baubestands - Chancen digitaler Beteiligung von SchülerInnen am Beispiel der Schulhaussanierung des Rupert-Egenberger-Förderschulzentrums in der Stadt Amberg/Opf.. In: INUAS International Conference 2020: Ressourcen - Zeit, Raum, Energie, Material (INUAS-Konferenzreihe - Urbane Transformationen: Wohnen, Ressourcen, Öffentliche Räume), München.

(2020): Adolescents in Spatial Planning - A Digital Participation Platform for Smart Environmental and Democratic Education in Schools. Video presentation. In: 21st Annual International Digital Landscape Architecture Conference 2020 (DLA), All-virtual online event (on-site conference at Harvard GSD, Boston, MA, USA cancelled).

(2020): Adolescents in Spatial Planning - A Digital Participation Platform for Smart Environmental and Democratic Education in Schools. In: Journal of Digital Landscape Architecture (JoDLA) 5-2020, Berlin; Offenbach, vol. 5.

(2020): 3D Mapping to collect volunteered geographic information. In: 2020 10th International Conference on Advanced Computer Information Technologies (ACIT), Deggendorf.

(2020): 3D Mapping to collect volunteered geographic information. In: Proceedings of the 2020 10th International Conference on Advanced Computer Information Technologies (ACIT) [September 6-8, 2020; Deggendorf]. DOI: 10.1109/ACIT49673.2020.9208958.

(2020): Using Augmented Reality and Machine Learning in Radiology. In: Innovative Technologies for Market Leadership: Investing in the Future.

(2020): Autonomous Driving on the Thin Trail of Great Opportunities and Dangerous Trust. In: Innovative Technologies for Market Leadership: Investing in the Future.

(2020): Digitalization in Mechanical Engineering. In: Innovative Technologies for Market Leadership: Investing in the Future.

(2020): Unlocking the Power of Artificial Intelligence for Your Business. In: Innovative Technologies for Market Leadership: Investing in the Future.

(2020): Predicting the risk of deer-vehicle collisions by inferring rules learnt from deer experience and movement patterns in the vicinity of roads. In: Proceedings of the 2020 10th International Conference on Advanced Computer Information Technologies (ACIT) [September 6-8, 2020; Deggendorf]. DOI: 10.1109/ACIT49673.2020.9208843.

(2020): Risk prediction of wildlife-vehicle collisions comparing machine learning methods and data use. In: Proceedings of the 2020 10th International Conference on Advanced Computer Information Technologies (ACIT) [September 6-8, 2020; Deggendorf]. DOI: 10.1109/ACIT49673.2020.9208946.

(2020): Predicting the risk of deer-vehicle collisions by inferring rules learnt from deer experience and movement patterns in the vicinity of roads. In: 2020 10th International Conference on Advanced Computer Information Technologies (ACIT), Deggendorf.

(2020): Risk prediction of wildlife-vehicle collisions comparing machine learning methods and data use. In: 2020 10th International Conference on Advanced Computer Information Technologies (ACIT), Deggendorf.

(2020): Wildlife-vehicle collisions—Influencing factors, data collection and research methods. In: Biological Conservation, vol. 251, no. November. DOI: 10.1016/j.biocon.2020.108758.

(2020): Road Infrastructure Documentation. In: IENE - Infrastructure and Ecology Network Europe, Évora, Portugal (conference postponed).

(2020): Spatiotemporal risk prediction of wildlife-vehicle collisions. In: IENE - Infrastructure and Ecology Network Europe, Évora, Portugal (conference postponed).



- (2020): Risk prediction on road—Exemplified for wildlife-vehicle collisions. In: ESAR - Expert Symposium on Accident Research, Hannover (conference postponed).
- (2020): Class of Monotone Kernelized Classifiers on the basis of the Choquet Integral. In: Expert Systems, vol. 37, no. First published: 21 January 2020, pp. 1-15. DOI: 10.1111/exsy.12506.
- (2020): Museumsapps - Individualität versus Plattformstrategie. In: Digital Humanities Austria 2018.
- (2020): Extracting Keywords from Publication Abstracts for an Automated Researcher Recommendation System. In: Digitale Welt (Proceedings of the First International Symposium on Applied Artificial Intelligence in Conjunction with DIGICON), vol. 4, no. 1, pp. 20-25. DOI: 10.1007/s42354-019-0227-2.
- (2020): Education 4.0 - Jump to Innovation IoT in Higher Education. In: Proceedings of the 2019 IEEE 25th International Symposium for Design and Technology in Electronic Packaging (SIITME) [Oct 23-26, 2019; Cluj-Napoca, Romania], New York, NY, USA. DOI: 10.1109/SIITME47687.2019.8990825.
- (2020): Enabling IoT in Education 4.0 with Biosensors from Wearables and Artificial Intelligence. In: Proceedings of the 2019 IEEE 25th International Symposium for Design and Technology in Electronic Packaging (SIITME) [Oct 23-26, 2019; Cluj-Napoca, Romania], New York, NY, USA. DOI: 10.1109/SIITME47687.2019.8990763.
- (2019): 2020 Master's Programs in Suzhou. DOI: 10.13140/RG.2.2.28640.43522.
- (2019): Education 4.0: Learning Analytics in der Lehre mit Künstliche Intelligenz und Sensoren. 60-minütiger Workshop (Focus Group I: KI in der Bildung - Learning Analytics). In: Leadership & Innovation Talk 2019: Do you trust this Robot? - Künstliche Intelligenz fordert uns heraus, München.
- (2019): Nachhaltigkeitsdiamant - Bewertungs- und Implementierungsmethode für eine nachhaltigkeitsorientierte Produktentwicklung. In: Bavarian Journal of Applied Sciences, vol. 5, no. 1, pp. 423-434. DOI: 10.25929/bjas.v5i1.71.
- (2019): Kommunale Homepages zur nachhaltigen Bürgerkommunikation und -partizipation - ein Vergleich von Stadt und Land. In: Bavarian Journal of Applied Sciences, vol. 5, no. 1, pp. 412-422.
- (2019): Einleitung: Sustainable Development Goals und ihre Orientierungsfunktion für angewandte Wissenschaften. In: Bavarian Journal of Applied Sciences, vol. 5, no. 1, pp. 406-411. DOI: 10.25929/bjas.v5i1.82.
- (2019): L'ecologia del movimento e gli investimenti stradali: Un' analisi a larga scala sul capriolo europeo (*Capreolus capreolus*). In: Workshop Wildunfälle in Südtirol - Incidenti stradali con la fauna selvatica in Alto Adige, Bozen, Italy.
- (2019): Georeferencing of Road Infrastructure from Photographs using Computer Vision and Deep Learning for Road Safety Applications. In: 5th International Conference on Geographical Information Systems Theory, Applications and Management, Heraklion, Greece.
- (2019): The Golden Bullet: A Comparative Study for Target Acquisition, Pointing and Shooting. In: Proceedings of the 2019 11th International Conference on Virtual Worlds and Games for Serious Applications (VS-Games) [4-6 Sept. 2019; Vienna, Austria]. DOI: 10.1109/VS-Games.2019.8864589.
- (2019): Computing Quality-of-Experience Ranges for Video Quality Estimation. In: Proceedings of the 2019 Eleventh International Conference on Quality of Multimedia Experience (QoMEX) [5-7 June 2019; Berlin]. DOI: 10.1109/QoMEX.2019.8743303.
- (2019): Improving relevant subjective testing for validation: Comparing machine learning algorithms for finding similarities in VQA datasets using objective measures. In: Signal Processing: Image Communication, vol. 74, no. May, pp. 32-41. DOI: 10.1016/j.image.2019.01.004.
- (2019): Linking Bitstream Information to QoE: A Study on Still Images Using HEVC Intra Coding. In: Advances in Electrical and Electronic Engineering, vol. 17, no. 4, pp. 436-445. DOI: 10.15598/aeet.v17i4.3625.
- (2019): Cyber Security für IoT-Geräte. In: 1. Internet of Things und Industrial Internet of Things Kongress, Regensburg.

- (2019): Decentralized Anomaly Detection with Unused Computing Power in Avionic and Automotive Applications. In: Kaspersky Industrial Cyber Security Conference 2019, Sochi, Russia.
- (2019): Maschinelles Lernen erfolgreich nutzen. In: DigiCamp zum Thema "4.0 braucht Künstliche Intelligenz (KI) - Praktische KI erleben", Deggendorf.
- (2019): Digitale Daseinsfürsorge in Stadt und Land.
- (2019): Weil Heimat Zukunft hat - Anwendungsorientierte Digitalisierungsstrategien im ländlichen Raum Bayerns am Beispiel digitaler Arbeitswelten. In: 8. Nachwuchsworkshop und 23. Jahrestagung des Arbeitskreises "Ländliche Räume", Göttingen.
- (2019): Digitales Dorf - "Alles Smart!?". In: Rotunde der Salzburg AG, Salzburg, Österreich.
- (2019): Fitting Additive Models With Regularized Kernel Methods: Methodology, Robustness Properties, and Business Applications. In: DAGStat Conference 2019, München.
- (2019): Prognose und Monitoring in der Gemeinschaftsverpflegung - Optimierter Wareneinsatz durch Big Data. In: 12. Wissenschaftliches Symposium "Supply Management", Mannheim.
- (2019): Zukunftsdörfer - Digitalisierung als Chance für den ländlichen Raum. Keynote. In: Akademiegespräch, München.
- (2019): International Big Data Center. In: ETZ/EUS - Joint public workshop, Pilsen, Tschechische Republik.
- (2019): Vernetzte Mobilität im ländlichen Raum: Wenn die Mobilität im Stau steckt.
- (2019): Produktion 4.0 in KMUs - Datenerhebung und Datenanalyse.
- (2019): Produktion 4.0 in KMUs - Datenerhebung und Datenanalyse.
- (2019): Data Science with Python.
- (2019): Building Industry 4.0 logistics applications with MicroPython and ESP32 MCUs. In: Konferenz EuroPython 2019, Basel, Schweiz.
- (2019): Tomatenkrimi - Der Foodscanner als Ermittler. Keynote. In: Tag der offenen Türe des Technologie Campus Grafenau, Grafenau.
- (2019): Fehlererkennung in Echtzeit für Glasindustrie mit ML. In: KI-Arbeitskreis "Maschinelles Lernen", Deggendorf.
- (2019): Unterwegs ins digitale Dorf - Das Modellprojekt Digitales Dorf Bayern. In: OSV Tourismusbarometer Brandenburg, Neuruppin.
- (2019): Smart Data als Basis für Industrie 4.0 - Anwendungen. In: Kooperationsveranstaltung: Zukunft der Industrie - Digitale Fertigung erleben, Deggendorf.
- (2019): Von den Erfahrungen der "Digitalen Dörfer" profitieren. In: Austauschtreffen Regionalwerk Salzburg, Kirchanschöring.
- (2019): Unterwegs ins digitale Dorf - Das Modellprojekt Digitales Dorf Bayern. In: OSV Tourismusbarometer Mecklenburg-Vorpommern, Tribsees - OT Landsdorf.
- (2019): Impulsvortrag MeDiLand. In: Digitale Städte Digitale Regionen Kongress, Hanau.
- (2019): Digitalisierung des ländlichen Raums. In: Podiumsdiskussion der Friedrich-Naumann-Stiftung für die Freiheit, Landshut.
- (2019): Bürgerbeteiligung als Motor der Stadt- und Regionalentwicklung. In: Junger Kongress für Geographie des Deutschen Kongress für Geographie 2019, Kiel.



- (2019): Silicon Forest - Der Technologie Campus Grafenau. Elevator Pitch. In: Tag der Angewandten Geographie des Deutschen Kongress für Geographie 2019, Kiel.
- (2019): Heimat 4.0 - Regionale Smartness-Ansätze als Chance für ländliche Regionen in Bayern. In: Deutscher Kongress für Geographie 2019, Kiel.
- (2019): Data Science with Python. In: Meetup-Reihe League of Geeks, Passau.
- (2019): Smart Villages in Bavaria: A Living Lab Approach to Prevent Urbanization. In: International Workshop of the Arab-German Young Academy of Sciences and Humanities, Ras Al Khaimah, Vereinigte Arabische Emirate.
- (2019): Zukunftsorf: Digitalisierung als Chance für den ländlichen Raum. In: Landesausschuss der Landfrauen des Bayerischen Bauernverbandes, Herrsching am Ammersee.
- (2019): Zukunftsorf: Digitalisierung im ländlichen Raum. In: IX. TOP Management Programm der Bayerischen Staatskanzlei, St. Quirin am Tegernsee.
- (2019): Digitales Dorf. In: Untertitel, Deggendorf.
- (2019): The role of policy on the Chilean sustainable energy transition in historical perspective. In: Proceedings of Energy and Society in Transition: 2nd International Conference on Energy Research and Social Science (28 May, 2019; Arizona State University, Tempe, AZ, USA).
- (2019): Gestión de la Demanda en la Industria de Chile: Aprendiendo del Caso Alemán (Demand Side Management on the Chile Industry: Learning From the German Case). In: Ingeniería, vol. 24, no. 3. DOI: 10.14483/23448393.14709.
- (2019): Energy Modelling in Rural Areas with Spatial and Temporal Data in Germany and Czech Republic. In: Proceedings of the 5th International Conference on Geographical Information Systems Theory, Applications and Management (GISTAM2019) [May 3-5, 2019; Heraklion, Crete, Greece], vol. Vol. 1.
- (2019): Using spatiotemporal data to evaluate renewable electricity self-sufficiency of municipalities and states in Bavaria and the Czech Republic. In: Geophysical Research Abstracts, vol. 21.
- (2019): Potential of the paper industry as system flexibility provider for an electrical system with high renewable energy share in Chile. In: Geophysical Research Abstracts, vol. 21.
- (2019): A new perspective on global renewable energy systems: why trade in energy carriers matters. In: Energy & Environmental Science, vol. 12, no. 7, pp. 2022-2029. DOI: 10.1039/C9EE00223E.
- (2019): Industry, flexibility, and demand response: Applying German energy transition lessons in Chile. In: Energy Research & Social Science, vol. 54, no. August, pp. 12-25. DOI: 10.1016/j.erss.2019.03.003.
- (2019): Assessment of on-site steady electricity generation from hybrid renewable energy systems in Chile. In: Applied Energy, vol. 250, no. 15 September 2019, pp. 1548-1558. DOI: 10.1016/j.apenergy.2019.05.005.
- (2019): Orientierungshilfe für Touristen. Aufwertung von Themenwegen und Kulturgütern durch digitale Navigationsunterstützung und Virtual Reality. Posterpräsentation. In: 6. Tag der Forschung, Deggendorf.
- (2019): Peregrinus Silva Bohemica. A Digital Travel Guide for Navigation Assistance. In: 2019 9th International Conference on Advanced Computer Information Technologies (ACIT'2019), České Budějovice, Czech Republic.
- (2019): Photostruk - Uniting Science and Humanities for the Reconstruction of Lost Cultural Heritage Sites and Landscape. In: 2019 9th International Conference on Advanced Computer Information Technologies (ACIT'2019) [Ceske Budejovice, Czech Republic, June 5-7, 2019].
- (2019): Digital Technologies for Cross-Cultural and Cross-Medial Museum Work. In: 2019 9th International Conference on Advanced Computer Information Technologies (ACIT'2019), České Budějovice, Czech Republic.
- (2019): How to Better Find Historical Photographs in an Archive Geographic Driven Reverse Search for Photographs. In: Digital Humanities Conference 2019 (DH2019), Utrecht, The Netherlands.

- (2019): How to Better Find Historical Photographs in an Archive Geographic Driven Reverse Search for Photographs. In: Digital Humanities Conference 2019 (DH2019).
- (2019): Smart Grid Technologies for Rural Areas and SMEs. Posterpräsentation. In: 9th Energy Colloquium of the Munich School of Engineering, Shaping a Sustainable Energy Future, München.
- (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): Introduction to Smart Grid - Practical Training. In: Smart Grid: Systems and Technologies: Summer School 2019, České Budějovice, Czech Republic.
- (2019): Can Geoinformation Help to Better Protect Informal Settlements? - A Concept For the City of Medellín. In: Gi4DM 2019 – Geoinformation for Disaster Management, vol. XLII-3/W8. DOI: 10.5194/isprs-archives-XLII-3-W8-115-2019.
- (2019): Assessing Middle and Low Voltage Grid Requirements in Bavaria for the Decades to Come. In: Shaping a Sustainable Energy Future: 9th Colloquium of the Munich School of Engineering (August 1, 2019).
- (2019): Assessing Middle and Low Voltage Grid Requirements in Bavaria for the Decades to Come. In: 9th Energy Colloquium of the Munich School of Engineering, Shaping a Sustainable Energy Future, Garching Hochbrück.
- (2019): Electricity demand forecast for Bavaria and the Czech Republic until 2050: can variable renewables cope with it?. In: 11th International Conference on Applied Energy (ICAE2019), Västerås, Sweden.
- (2019): Generating consumer load profiles to assess demand side management potential of industries.. In: 11th International Conference on Applied Energy (ICAE2019), Västerås, Sweden.
- (2019): The role of policy on the Chilean sustainable energy transition in historical perspective. In: Energy and Society in Transition: 2nd International Conference on Energy Research and Social Science, Tempe, AZ, USA.
- (2019): Museum Uploaded. Digital technologies for cross-cultural museum work. In: 2019 9th International Conference on Advanced Computer Information Technologies (ACIT), České Budějovice, Czech Republic.
- (2019): Digital Technologies for Cross-Cultural and Cross-Medial Museum Work. In: 2019 9th International Conference on Advanced Computer Information Technologies (ACIT'2019) [Ceske Budejovice, Czech Republic, June 5-7, 2019]. DOI: 10.1109/ACITT.2019.8779854.
- (2019): Museum Uploaded – digitale Technologien für Dauerausstellungen in kleinen und mittelgroßen Museen. Vortrag und Workshop. In: International Council of Museums (ICOM) Deutschland Jahrestagung, München.
- (2019): Projekt Digitales Dorf - Ländliche Räume in Bayern auf dem Weg in die digitale Zukunft. In: Forschungsbericht 2018/2019 der Technischen Hochschule Deggendorf, Deggendorf.
- (2019): Intelligentes Staplerleitsystem des TC Grafenau. In: Hochschulmagazin Untertitel.
- (2019): Citizen Participation via Digital Maps: A Comparison of Current Applications. In: GI Forum - Journal of Geographic Information Science, vol. 7, no. 2, pp. 34-46. DOI: 10.1553/giscience2019_02_s34.
- (2019): Akademiegespräche im Bayerischen Landtag. Diane Ahrens:Zukunftsdörfer - Digitalisierung als Chance für den ländlichen Raum. Veranstaltung vom 9. April 2019.
- (2019): Digitale Wege erkunden mit BLADL. In: Der Bayerische Bürgermeister, vol. 102, no. 4, pp. 160-161.
- (2019): Ländliche Wege in die digitale Zukunft. Was ist bislang in den digitalen Dörfern passiert?. In: Der Bayerische Bürgermeister, vol. 102, no. 4, pp. 155-159.
- (2019): Die Technik macht es möglich. In: Altenheim - Lösungen fürs Management, no. 12, pp. 42-44.
- (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].



- (2019): Datenbasierte Gäste- und Speiseprognosen in der Gemeinschaftsverpflegung. In: Supply Management Research: Aktuelle Forschungsergebnisse 2019. DOI: 10.1007/978-3-658-26954-8_11.
- (2019): A spatially explicit assessment of middle and low voltage grid requirements in Bavaria until 2050. In: Geoscape, vol. 13, no. 2, pp. 88-97. DOI: 10.2478/geosc-2019-0008.
- (2019): Potential Analysis of Hybrid Renewable Energy Systems for Self-Sufficient Residential Use in Germany and the Czech Republic. In: Energies, vol. 12, no. 21. DOI: 10.3390/en12214185.
- (2019): Digitale Partizipation zur integrativen und nachhaltigen Gestaltung ländlicher Räume. In: Book of Abstracts.
- (2019): Digitale Partizipation zur integrativen und nachhaltigen Gestaltung ländlicher Räume. In: INUAS International Conference 2019: Wohnen unter Druck (INUAS-Konferenzreihe - Urbane Transformationen: Wohnen, Ressourcen, Öffentliche Räume), Wien, Österreich.
- (2019): Concept for Detection of Device Failures Using Active Grid Analysis. In: Proceedings of the 5th International Conference on Sensors and Electronic Instrumentation Advances (SEIA 2019).
- (2019): Message Compression Concept for Software Defined IoT Edge Devices. In: Proceedings of the 5th International Conference on Sensors and Electronic Instrumentation Advances (SEIA 2019).
- (2019): Message Compression Concept for Software Defined IoT Edge Devices. In: 5th International Conference on Sensors and Electronic Instrumentation Advances (SEIA 2019), Adeje, Teneriffa, Spanien.
- (2019): Concept for Detection of Device Failures Using Active Grid Analysis. Best Presentation Award - Special Session IoT: Sensors, Networks and Applications. In: 5th International Conference on Sensors and Electronic Instrumentation Advances (SEIA 2019), Adeje, Teneriffa, Spanien.
- (2019): Bionik für technische Produkte und Innovation. Ein Überblick für die Praxis. In: Part of the essentials book series (ESSENT), Wiesbaden. DOI: 10.1007/978-3-658-28450-3.
- (2019): What Do We Learn from Good Practices of Biologically Inspired Design in Innovation?. In: Applied Sciences, vol. 9, no. 4. DOI: 10.3390/app9040650.
- (2019): Method for configuring a tester equipped for testing a control unit.
- (2019): Development of a senior-friendly training concept for imparting media literacy. In: INFORMATIK 2019: 50 Jahre Gesellschaft für Informatik - Informatik für Gesellschaft, Bonn. DOI: 10.18420/inf2019_83.
- (2019): Digital support for managing Organized Neighborhood Assistance. In: Applied Research Conference (ARC) 2019.
- (2019): Policy-based Authentication and Authorization based on the Layered Privacy Language. In: Workshopband zur 18. Fachtagung "Datenbanksysteme für Business, Technologie und Web". DOI: 10.18420/btw2019-ws-25.
- (2019): Delegation of Authentication to the Data Plane in Software Defined Networks. In: Proceedings of the 18th IEEE International Conference on Ubiquitous Computing and Communications (IUCC 2019) [October 21-23, 2019, Shenyang, China]. DOI: 10.1109/IUCC/DSCI/SmartCNS.2019.00038.
- (2019): Modell zur Übertragbarkeit der Ergebnisse aus der Feldstudie auf größere Regionen. Berücksichtigung aktueller technischer und organisatorischer Rahmenbedingungen beim Einsatz autonomer Shuttlebusse. In: Autonome Shuttlebusse im ÖPNV, Berlin, Heidelberg.
- (2019): Geoanalyse mit Methoden der Künstlichen Intelligenz - Datenaufbereitung, Homogenisierung und Anwendung am Fallbeispiel der (Wild-)Unfallprognose. Posterpräsentation. In: Fachsymposium Mobilität der Zukunft, Deggendorf.
- (2019): Geoanalyse mit Methoden der Künstlichen Intelligenz - Datenaufbereitung, Homogenisierung und Anwendung am Fallbeispiel der (Wild-)Unfallprognose. Posterpräsentation. In: AGIT Symposium & Expo 2019 - Angewandte Geoinformatik, Salzburg, Österreich.



- (2019): Peregrinus Silva Bohemica. A Digital Travel Guide for Navigation Assistance. In: Proceedings of the 2019 9th International Conference on Advanced Computer Information Technologies (ACIT) [June 5-7, 2019; České Budějovice, Czech Republic]. DOI: 10.1109/ACITT.2019.8779883.
- (2019): Echtzeit-Fehlererkennung und Verbesserung der Produktionsqualität in der Glasindustrie durch künstliche Intelligenz. Posterpräsentation. In: 6. Tag der Forschung, Deggendorf.
- (2019): Wieviel Personal brauche ich morgen? Nachfrageprognose in der Stückgutlogistik. Posterpräsentation. In: 6. Tag der Forschung, Deggendorf.
- (2019): Ist noch genug Bier im Haus? Datenbasierte Nachfrageprognose im Getränkehandel. Posterpräsentation. In: 6. Tag der Forschung, Deggendorf.
- (2019): Der Weg ist das Ziel: Analyse von Lagerbewegungen in der fertigen Industrie. Posterpräsentation. In: 6. Tag der Forschung, Deggendorf.
- (2019): Projekt MediLand. Posterpräsentation. In: 6. Tag der Forschung, Deggendorf.
- (2019): Wieviel Personal brauche ich morgen?. Best Presentation Award. In: 6. Tag der Forschung, Deggendorf.
- (2019): Education 4.0: Artificial Intelligence and Wearable Devices Assisted Higher Education. Vortrag und Posterpräsentation. In: 6. Tag der Forschung, Deggendorf.
- (2018): Impact of Biases in Big Data. In: Proceedings of the 26th European Symposium on Artificial Neural Networks, Computational Intelligence and Machine Learning (ESANN 2018) [April 27-29, 2018; Bruges, Belgium].
- (2018): Superhuman Performance in Tactile Material Classification and Differentiation with a Flexible Pressure-Sensitive Skin. In: Proceedings of the 2018 IEEE-RAS International Conference on Humanoid Robots (Humanoids 2018) [November 6-9, 2018; Beijing China]. DOI: 10.1109/HUMANOIDS.2018.8624987.
- (2018): Exploring the effects of subjective methodology on assessing visual discomfort in immersive multimedia. In: Electronic Imaging, Human Vision and Electronic Imaging. DOI: 10.2352/ISSN.2470-1173.2018.14.HVEI-527.
- (2018): Framework for reproducible objective video quality research with case study on PSNR implementations. In: Digital Signal Processing, vol. 77, no. June, pp. 195-206. DOI: 10.1016/j.dsp.2017.09.013.
- (2018): Proof-of-concept: role of generic content characteristics in optimizing video encoders. In: Multimedia Tools and Applications, vol. 77, pp. 16069-16097. DOI: 10.1007/s11042-017-5180-1.
- (2018): Reproducible research framework for objective video quality measures using a large-scale database approach. In: SoftwareX, vol. 8, no. July-December, pp. 64-68. DOI: 10.1016/j.softx.2017.09.004.
- (2018): Statistical quality of experience analysis: on planning the sample size and statistical significance testing. In: Journal of Electronic Imaging, vol. 27, no. 5. DOI: 10.1117/1.JEI.27.5.053013.
- (2018): Prognose und Monitoring - Hilfe zur Selbsthilfe. In: Bioökonomie-Kongress, München.
- (2018): Statistische Daten in der Praxis: Zeitverschwendung oder Goldgrube?.
- (2018): Digitales Dorf - Gemeinsam digitale Zukunft schaffen.
- (2018): Digitale Hörnerdörfer. In: Infoveranstaltung zum Wettbewerb "Digitale Hörnerdörfer".
- (2018): Digitalisierung als Chance für ländliche Gemeinden. In: Kommunalforum Alpenraum, Kundl in Tirol, Österreich.
- (2018): Digitalisierung als Chance für ländliche Gemeinden. In: Netzwerktreffen Digitaler Lebensraum - Agenda 21, Vorchdorf, Oberösterreich.
- (2018): BIG DATA in der Großküche - Was steckt dahinter, wo liegen die Chancen und Risiken?. In: Jahresmitgliederversammlung des HKI Industrieverbands, Berlin.
- (2018): Digitales Dorf - Gemeinsam digitale Zukunft schaffen. In: Referentenklausur, Bad Aibling.



- (2018): Anhörung als Sachverständige im Bayerischen Landtag zum Thema "Sicherung der wohnortnahen Versorgung in der Kommune".
- (2018): Datenbasierte Impulse für die Optimierung von Einkauf und logistischen Prozessen. In: IV. Bayerisch-Böhmischer Mittelstandskongress, Pilsen, Tschechische Republik.
- (2018): What Machine Learning Can Do. In: TechDays, München.
- (2018): Optimierung der Intralogistik in der fertigen Industrie durch Big Data.
- (2018): Digitales Dorf - Gemeinsam digitale Zukunft schaffen. In: Besuch einer Delegation der oberösterreichischen Initiative "Nature of Innovation" aus Steyr, Spiegelau.
- (2018): Digitale Hörnerdörfer. In: Auftaktveranstaltung "Digitale Hörnerdörfer", Balderschwang/Obermaiselstein.
- (2018): Digitales Dorf. In: Symposium des Bayerischen Staatsministeriums für Familie, Arbeit und Soziales, Nürnberg.
- (2018): Digitalisierung im Handel - Datenbasierte Nachfrageprognose im stationären Getränkehandel. In: 2. Südböhmisch-Niederbayerischer Transferkongress, Passau.
- (2018): Digitales Dorf. In: Kommunale Zukunftsgespräche "Digitalisierung als Chance für den ländlichen Raum", Linz, Österreich.
- (2018): Die digitale Wagenreihung bei der Deutschen Bahn. In: WI-Symposium, Deggendorf.
- (2018): Pilotprojekte - so gelingt der Einstieg. In: Industrie 4.0 - Starthilfe für KMU, Grafenau.
- (2018): Grundlagen der Prognose. In: Seminar im Projekt "Big Data Centrum Ostbayern-Südböhmen", Grafenau.
- (2018): Mega-Trend Digitalisierung. In: Sparkassenkommunalforum, Grafenau.
- (2018): Big Data in der Produktion.
- (2018): Projekt "Digitales Dorf Südbayern". In: Nachbarn mit Zukunft.
- (2018): Data and Expert Models for Sleep Timing and Chronotype Estimation from Smartphone Context Data and Simulations. In: Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (Association for Computing Machinery, NY, USA), vol. 2, no. 3 (September 2018). DOI: 10.1145/3264949.
- (2018): Education 4.0 - Artificial Intelligence Assisted Higher Education: Early Recognition System with Machine Learning to Support Students' Success. In: 2018 IEEE 24th International Symposium for Design and Technology in Electronic Packaging (SIITME). DOI: 10.1109/SIITME.2018.8599203.
- (2018): Education 4.0 für Akademiker 4.0 Kompetenzen – Blended Learning 4.0 Prozess mit Learning Analytics Cockpit. In: Proceedings der Pre-Conference-Workshops der 16. E-Learning Fachtagung Informatik co-located with 16th e-Learning Conference of the German Computer Society (DeLFI 2018).
- (2018): Education 4.0 für Akademiker 4.0 Kompetenzen -Blended Learning 4.0 Prozess mit Learning Analytics Cockpit. Workshop. In: 16. E-Learning-Fachtagung Informatik (DeLFI) und die 8. Fachtagung Hochschuldidaktik der Informatik (HDI), Frankfurt am Main.
- (2018): Education 4.0 - Artificial Intelligence Assisted Higher Education: Early Recognition System with Machine Learning to support Students' Success. In: 2018 IEEE 24th International Symposium for Design and Technology in Electronic Packaging (SIITME), Iasi, Romania.
- (2018): Mobiles Eye-Tracking in den angewandten Wissenschaften. In: Bavarian Journal of Applied Sciences, vol. 4, no. 1, pp. 370-395. DOI: 10.25929/bjas.v4i1.54.
- (2018): Smarter Blended Learning 4.0 Prozess. (Vortrag im Rahmen der "Künstliche Intelligenz-APP-Bot Session"). In: 17. E-Learning-Tag der FH JOANNEUM: "Jetzt für die Zukunft", Graz, Österreich.



- (2018): Blended Learning 4.0-Prozess: Effizient und KI unterstützt. In: Tagungsband zum 17. E-Learning Tag der FH JOANNEUM University of Applied Sciences (13.09.2018; Graz, Österreich), Graz, Österreich.
- (2018): Education 4.0: Early recognition system to support students success in examination - First results of implementing Learning Analytics Design and Neural Networks in Higher Education. In: 2. Learning Analytics Summer Institute Conference (LASI) der Society for Learning Analytics Research (SoLAR), Mannheim.
- (2018): Blended Learning 4.0: KI unterstützte digitale Lehre. Workshop. In: Forum der Lehre 2018, Ingolstadt.
- (2018): Blended Learning 4.0: KI unterstützte digitale Lehre. Workshop. In: Tagungsband zum Forum der Lehre 2018 an der Technischen Hochschule Ingolstadt (16. April 2018).
- (2018): Food-Scanner: Lebensmittelqualität einfach bestimmen. Posterpräsentation. In: 5. Tag der Forschung, Deggendorf.
- (2018): Education 4.0 for Tall Thin Engineer in a Data Driven Society. Posterpräsentation. In: 5. Tag der Forschung, Deggendorf.
- (2017): The Challenge of Non-Technical Loss Detection Using Artificial Intelligence: A Survey. In: International Journal of Computational Intelligence Systems, vol. 10, no. 1, pp. 760-775. DOI: 10.2991/ijcis.2017.10.1.51.
- (2017): Identifying Irregular Power Usage by Turning Predictions into Holographic Spatial Visualizations. In: Proceedings of the 2017 IEEE International Conference on Data Mining Workshops (ICDMW 2017) [November 18-21, 2017; New Orleans, LA, USA]. DOI: 10.1109/ICDMW.2017.40.
- (2017): Empirical results on parity-based soft error detection with software-based retry. In: Microprocessors and Microsystems, vol. 48, no. February, pp. 62-68. DOI: 10.1016/j.micpro.2016.09.009.
- (2017): Digital Village - A Bavarian Initiative. In: Rural Summit 2017, Eindhoven, Niederlande.
- (2017): Digitales Dorf - Von der Vision zur Modellregion.
- (2017): Effective Data Utilization in Companies - Use Cases. In: Informationsreise aus Tschechien nach Deutschland zum Thema Smart Factory / Industrie 4.0 im Rahmen der Exportinitiative Energie, Bayreuth.
- (2017): Digitales Dorf - Von der Vision zur Modellregion.
- (2017): Digitales Dorf Südbayern. In: Bayern-Tour "Egal wo du lebst", Grafenau.
- (2017): Big Data - erste Schritte wagen! Praxisbeispiele und Handlungsempfehlungen für Unternehmen. In: Sensorik Symposium, Regensburg.
- (2017): Digitalisierung als Chance für ländliche Gemeinden. In: Netzwerktreffen Digitaler Lebensraum - Agenda 21, Stift Reichersberg, Hausruck/Innviertel, Österreich.
- (2017): Smarte Regionen und Dörfer - das Digitale Dorf. In: RYLA - Seminar der Rotary Clubs Bayerischer Wald und Böhmen, Arbergipfel.
- (2017): Märkte im Wandel - Anforderungen an die Logistik. In: Regensburger Verkehrskongress, Regensburg.
- (2017): Digitalisierung als Chance für ländliche Gemeinden. In: Netzwerktreffen Digitaler Lebensraum - Agenda 21, Kirchschlag bei Linz, Oberösterreich.
- (2017): Digitales Dorf - Gemeinsam digitale Zukunft schaffen. Teilnahme als Expertin. In: Bürgergutachten 2030 "Chancen überall im Land - Infrastruktur, Wohnen, Landwirtschaft", Neumarkt i. d. Opf..
- (2017): Prognosen in Unternehmen: Praxisbeispiele und Handlungsempfehlungen. In: Prognosekonferenz, Grafenau.
- (2017): Prognosen im Lebensmittelkonsum: Weniger Lebensmittelverluste durch Optimierung von Prognosen und Disposition. In: Prognosekonferenz, Grafenau.
- (2017): Unsicherheitsfaktor Gast - Prognosen in der Außer-Haus-Verpflegung. In: Prognosekonferenz, Grafenau.



- (2017): Big Data Analytics im Unternehmen: Strategien, Praxisbeispiele und Methoden. In: Advanced Analytics Infrastructure Dialog, Frankfurt am Main.
- (2017): Lehre 4.0 revolutioniert E-Learning. In: 16. E-Learning Tag an der FH JOANNEUM, Graz, Österreich.
- (2017): Lehre 4.0 Methoden zur effizienten Qualifizierung von Arbeitnehmern. Posterpräsentation. In: 3. INDIGO-Konferenz, Amberg.
- (2017): Effiziente virtuelle Weiterbildung von problematischen Zielgruppen mit Lehre 4.0 Methoden. Posterpräsentation. In: 4. Tag der Forschung an der Technischen Hochschule Deggendorf, Deggendorf.
- (2017): Education 4.0 - Fostering Student's Performance with Machine Learning Methods. In: IEEE 23rd International Symposium for Design and Technology in Electronic Packaging (SIITME), Constanta, Rumänien.
- (2017): Education 4.0 for Tall Thin Engineer in a Data Driven Society. In: IEEE 23rd International Symposium for Design and Technology in Electronic Packaging (SIITME), Constanta, Rumänien.
- (2017): Lehre 4.0 revolutioniert E-Learning in Hochschule und Weiterbildung. In: Die neue Hochschule (DNH), no. 4, pp. 12-15.
- (2017): Education 4.0 for Tall Thin Engineer in a Data Driven Society. In: Proceedings of the IEEE 23rd International Symposium for Design and Technology in Electronic Packaging (SIITME) [Constanta, Romania; October 26th-29th, 2017]. DOI: 10.1109/SIITME.2017.8259942.
- (2017): Education 4.0 – Fostering Student's Performance with Machine Learning Methods. In: Proceedings of the IEEE 23rd International Symposium for Design and Technology in Electronic Packaging (SIITME) [Constanta, Romania; October 26th-29th, 2017]. DOI: 10.1109/SIITME.2017.8259941.
- (2016): Large-scale detection of non-technical losses in imbalanced data sets. In: Proceedings of the 2016 Seventh IEEE Power & Energy Society Innovative Smart Grid Technologies Conference (ISGT 2016) [September 6-9, 2016; Minneapolis, MN, USA] . DOI: 10.1109/ISGT.2016.7781159.
- (2016): Robust material classification with a tactile skin using deep learning. In: Proceedings of the 2016 IEEE International Workshop on Intelligent Robots and Systems (IROS) [October 9-14, 2016; Daejeon, South Korea]. DOI: 10.1109/IROS.2016.7758088.
- (2016): Unified treatment of sparse and dense data in graph-based least squares. In: Proceedings of the 2016 IEEE-RAS 16th International Conference on Humanoid Robots (Humanoids 2016) [November 15-17, 2016; Cancún, Mexico]. DOI: 10.1109/HUMANOIDS.2016.7803393.
- (2016): Studying user agreement on aesthetic appeal ratings and its relation with technical knowledge. In: 2016 Eighth International Conference on Quality of Multimedia Experience (QoMEX). DOI: 10.1109/QoMEX.2016.7498934.
- (2016): Comparing temporal behavior of fast objective video quality measures on a large-scale database. In: 2016 Picture Coding Symposium (PCS).
- (2016): Effect of content features on short-term video quality in the visual periphery. In: 2016 IEEE 18th International Workshop on Multimedia Signal Processing (MMSp).
- (2016): Spatio-temporal error concealment technique for high order multiple description coding schemes including subjective assessment. In: 2016 Eighth International Conference on Quality of Multimedia Experience (QoMEX).
- (2016): Comparing simple video quality measures for loss-impaired video sequences on a large-scale database. In: 2016 Eighth International Conference on Quality of Multimedia Experience (QoMEX).
- (2016): Evaluation of aesthetic appeal with regard of user's technical knowledge. In: Proceedings of SPIE Conference Human Vision and Electronic Imaging 2016 (HVEI 2016).
- (2016): Role of spatio-temporal distortions in the visual periphery in disrupting natural attention deployment. In: Proceedings of SPIE Conference Human Vision and Electronic Imaging 2016 (HVEI 2016). DOI: 10.2352/ISSN.2470-1173.2016.16.HVEI-117.



- (2016): Exploiting error detection latency for parity-based soft error detection. In: Proceedings of the 2016 IEEE 19th International Symposium on Design and Diagnostics of Electronic Circuits & Systems (DDECS) [Kosice, Slovakia] .
- (2016): eDorf - das Dorf der Zukunft - Menschen, Pendlerströme und E-Mobilitätsoptionen. In: E-WALD Projekttag, Deggendorf.
- (2016): Statistics instead of Stopover - Range Predictions for Electric Vehicles. In: OR2016 - Annual International Conference of the German Operations Research Society (GOR), Hamburg.
- (2016): The Offer of Advanced Imaging Techniques Leads to Higher Acceptance Rates for Screening Colonoscopy - A Prospective Multivariate Analysis of Data From a Patient Questionnaire. In: Gastrointestinal Endoscopy, vol. 83, no. 5. DOI: 10.1016/j.gie.2016.03.916.
- (2016): The Offer of Advanced Imaging Techniques Leads to Higher Acceptance Rates for Screening Colonoscopy - a Prospective Study. In: Asian Pacific Journal of Cancer Prevention, vol. 17, no. 8, pp. 3871-3875.
- (2016): Effects of Throughfall Exclusion, Soil Texture and Spatial Continuity on Soil Water Repellency in Fichtel Mountains. In: Soil Science Society of America Journal, vol. 80, pp. 554-562. DOI: 10.2136/sssaj2015.10.0386.
- (2016): Qualitative robustness of estimators on stochastic processes. In: Metrika, vol. 79, no. 8, pp. 895-917. DOI: 10.1007/s00184-016-0582-z.
- (2016): Zu große Energiemengen landen im Müll. Energieverluste durch Lebensmittelverschwendung - Experten zeigen Einsparpotentiale auf. In: Fleischwirtschaft, vol. 96, no. 8, pp. 70-75.
- (2016): Adaptive User Interface for Higher Education Based on Web Technology. Research and Innovation in Industry 4.0. In: Proceedings of IEEE 22nd International Symposium for Design and Technology in Electronic Packaging (SIITME) 2016 (Oradea, Romania, October 20-23 2016). DOI: 10.1109/SIITME.2016.7777299.
- (2016): Adaptive User Interface for Higher Education Based on Web Technology?. Research and Innovation in Industry 4.0. In: IEEE 22nd International Symposium for Design and Technology in Electronic Packaging (SIITME), Oradea, Rumänien.
- (2016): Was Frauen wollen - Absatzprognosen im Modehandel durch künstliche Intelligenz. In: 3. Tag der Forschung - Themenbereiche Wirtschaft und Gesundheit, Deggendorf.
- (2016): Statistik statt Stehen - Optimierung der Reichweitenschätzung für E-Autos. In: 3. Tag der Forschung - Themenbereiche Wirtschaft und Gesundheit, Deggendorf.
- (2016): Das Auge analysiert mit - Datenanalyse und Visualisierung. In: 3. Tag der Forschung - Themenbereiche Wirtschaft und Gesundheit, Deggendorf.
- (2015): The Communication Layer of the aRDx Software Framework: Highly Performant and Realtime Deterministic. In: Journal of Intelligent & Robotic Systems, vol. 77, pp. 171-185. DOI: 10.1007/s10846-014-0095-9.
- (2015): Rapid calibration of a multi-sensorial humanoid's upper body: An automatic and self-contained approach. In: The International Journal of Robotics Research, vol. 34, no. 4-5, pp. 420-436. DOI: 10.1177/0278364914548201.
- (2015): Predicting full-reference video quality measures using HEVC bitstream-based no-reference features. In: 2015 Seventh International Workshop on Quality of Multimedia Experience (QoMEX).
- (2015): Does H.265 based peri and para-foveal quality flicker disrupt natural viewing patterns?. In: 2015 International Conference on Systems, Signals and Image Processing (IWSSIP).
- (2015): The impact of complexity in the rate-distortion optimization: A visualization tool. In: 2015 International Conference on Systems, Signals and Image Processing (IWSSIP).
- (2015): Open perceptual binocular and monocular descriptors for stereoscopic 3D images and video characterization. In: 2015 Seventh International Workshop on Quality of Multimedia Experience (QoMEX).

- (2015): Visual Discomfort Induced by Three-Dimensional Display Technology (in Chinese). In: Laser and Optoelectronics Progress, vol. 52, no. 3.
- (2015): Subjective Quality Assessment Comparing UHD and HD Resolution in HEVC Transmission Chain. In: 2015 Seventh International Workshop on Quality of Multimedia Experience (QoMEX).
- (2015): Full-HD HEVC-Encoded Video Quality Assessment Database. In: Ninth International Workshop on Video Processing and Quality Metrics (VPQM) [Feb 2015; Chandler, AZ, USA].
- (2015): Objective Video Quality Assessment - Towards Large Scale Video Database Enhanced Model Development. In: IEICE Transactions on Communications, vol. E-98b, no. 1, pp. 2-11.
- (2015): Parity-based Soft Error Detection with Software-based Retry vs. Triplication-based Soft Error Correction - An Analytical Comparison on a Flash-based FPGA Architecture. In: Informatik 2015 - Informatik, Energie und Umwelt (28.09.-02.10.2015; Cottbus), Bonn, vol. P-246.
- (2015): In-circuit Error Detection with Software-based Error Correction - An Alternative to TMR. In: Formal Modeling and Verification of Cyber-Physical Systems.
- (2015): Empirical results on parity-based soft error detection with software-based retry. In: Proceedings of the 2015 Nordic Circuits and Systems Conference (NORCAS): NORCHIP & International Symposium on System-on-Chip (SoC) . DOI: 10.1109/NORCHIP.2015.7364378.
- (2015): Optimierung der Reichweitenschätzung für Elektrofahrzeuge im Verbundprojekt E-WALD. In: E-WALD Projekttag, Teisnach.
- (2015): Virtueller, wissensbasierter und analytischer MINT-Coach (VWA-MINT). In: Erfolgreicher MINT-Abschluss an bayerischen Hochschulen.
- (2015): Learning Classifiers on the Use of Monotone Learning. In: 1. Bayerisch-Tschechische Wissenschaftskonferenz "Datenanalyse", Jindřichův Hradec, Tschechische Republik.
- (2015): Statistical Properties of Support Vector Machines and Related Methods from Machine Learning: Theory and Applications. In: 1. Bayerisch-Tschechische Wissenschaftskonferenz "Datenanalyse", Jindřichův Hradec, Tschechische Republik.
- (2015): Maschinelles Lernen: Datenanalyse mit Methoden der künstlichen Intelligenz. Gastvortrag in Vorlesung zu "Big Data-Algorithms and Systems".
- (2015): Nichtparametrische Klassifikation und Regression mit maschinellen Lernverfahren: Theorie und Anwendungen.
- (2014): Optimizing feature pooling and prediction models of VQA algorithms. In: 2014 IEEE International Conference on Image Processing (ICIP).
- (2014): Evaluating complex scales through subjective ranking. In: 2014 Sixth International Workshop on Quality of Multimedia Experience (QoMEX).
- (2014): Comparing Upscaling Algorithms From Hd To Ultra Hd By Evaluating Preference Of Experience. In: 2014 Sixth International Workshop on Quality of Multimedia Experience (QoMEX).
- (2014): Chapter 20: 3D Video. In: Quality of Experience: Advanced Concepts, Applications and Methods.
- (2014): Assessing the Quality of Experience of 3DTV and Beyond: Tackling the Multidimensional Sensation. In: 3D Future Internet Media, New York.
- (2014): Measuring perceived depth in natural images and study of its relation with monocular and binocular depth cues. In: Proceedings of SPIE Vol. 9011: IS&T/SPIE Electronic Imaging Stereoscopic Displays and Applications XXV , San Francisco, CA, USA.
- (2014): Visual discomfort of stereoscopic 3D videos: Influence of 3D motion. In: Displays, vol. 35, no. 1, pp. 49-57. DOI: 10.1016/j.displa.2014.01.002.



- (2014): On viewing distance and visual quality assessment in the age of Ultra High Definition TV. In: VQEG (Video Quality Expert Group) eLetter, vol. 1, no. 1, pp. 25-30.
- (2014): Validation of reliable 3DTV subjective assessment methodology Establishing a Ground Truth Database. In: VQEG (Video Quality Expert Group) eLetter, vol. 1, no. 2.
- (2014): Dreamed about training, verifying and validating your QoE model on a million videos?. In: VQEG (Video Quality Expert Group) eLetter, vol. 1, no. 2, pp. 19-29.
- (2014): Hybrid video quality prediction: reviewing video quality measurement for widening application scope. In: Multimedia Tools and Applications, vol. 74, pp. 323-343. DOI: 10.1007/s11042-014-1978-2.
- (2014): Time series sales forecasting to reduce food waste in retail industry. In: 34th International Symposium on Forecasting, Rotterdam.
- (2014): Intelligentes Prognose- und Dispositionsverfahren im Lebensmitteleinzelhandel. In: EssensWert Fachtagung, München/Fürstfeldbruck.
- (2014): Nichtparametrische Klassifikation und Regression mit SVMs und anderen regularisierten Kern-Verfahren: Statistische Modelle und Inferenz. In: Kolloquium des Instituts für Medizinische Biometrie und Statistik der Universität Lübeck, Lübeck.
- (2013): Subjective and objective evaluation of an audiovisual subjective dataset for research and development. In: 2013 Fifth International Workshop on Quality of Multimedia Experience (QoMEX).
- (2013): Subjective and Objective Visual Quality Assessment in the Context of Stereoscopic 3D-TV. In: 3D-TV System with Depth-Image-Based Rendering. DOI: 10.1007/978-1-4419-9964-1_14.
- (2013): Open collaboration on hybrid video quality models VQEG joint effort group hybrid. In: 2013 IEEE 15th International Workshop on Multimedia Signal Processing (MMSP).
- (2013): Perceptual preference of S3D over 2D for HDTV in dependence of video quality and depth. In: 2013 IEEE 11th IVMSWP Workshop.
- (2013): Measurement of Individual Changes in the Performance of Human Stereoscopic Vision for Disparities at the Limits of the Zone of Comfortable Viewing. In: 2013 International Conference on 3D Vision (3DV 2013).
- (2013): Freely Available Large-scale Video Quality Assessment Database in Full-HD Resolution with H.264 Coding. In: Proceedings of the 2013 IEEE Globecom Workshops (GC Wkshps), Atlanta, GA, USA, no. -.
- (2013): Visual Comfort and Fatigue in Stereoscopy. In: 3D Video: From Capture to Diffusion, London, UK.
- (2013): Subjective Assessment Methodology For Preference Of Experience In 3dtv. In: Proceedings of the 11th IEEE IVMSWP Workshop : 3D Image/Video Technologies and Applications, Seoul, South Korea.
- (2013): 36.4: Comparison between Different Rating Scales for 3D TV. In: SID Symposium Digest of Technical Papers, vol. 44, no. 1, pp. 509-512. DOI: 10.1002/j.2168-0159.2013.tb06256.x.
- (2013): Methodologies for Assessing 3D QoE: Standards and Explorative Studies. In: ZTE Communications, vol. 11, no. 1, pp. 2-10.
- (2013): Selecting scenes for 2D and 3D subjective video quality tests. In: EURASIP Journal on Image and Video Processing, no. 1.
- (2013): How visual fatigue and discomfort impact 3D-TV quality of experience: a comprehensive review of technological, psychophysical, and psychological factors. In: Annales des Télécommunications, vol. 68, no. 11-12, pp. 641-655. DOI: 10.1007/s12243-013-0394-3.
- (2013): Recent Advances in Standardization on 3D Quality of Experience. In: IEEE COMSOCMMTC E-Letter, vol. 8, no. 3.



- (2013): Stereoscopic 3D video coding quality evaluation with 2D objective metrics. In: Proceedings of SPIE Vol. 8648: Stereoscopic Displays and Applications XXIV.
- (2013): Boosting Paired Comparison methodology in measuring visual discomfort of 3DTV: Performances of three different designs. In: Proceedings of SPIE Vol. 8648: Stereoscopic Displays and Applications XXIV.
- (2013): Towards standardized 3DTV QoE assessment: Cross-lab study on display technology and viewing environment parameters. In: Proceedings of SPIE Vol. 8648: Stereoscopic Displays and Applications XXIV,;
- (2013): Visual Discomfort is not always proportional to Eye Blinking Rate: Exploring Some Effects of Planar and In-Depth Motion on 3DTV QoE. In: International Workshop on Video Processing and Quality Metrics for Consumer Electronics VPQM 2013 (Jan 2013; Scottsdale, AZ, USA).
- (2012): Perceptual depth indicator for S-3D content based on binocular and monocular cues. In: 2012 Conference Record of the Forty Sixth Asilomar Conference on Signals, Systems and Computers (ASILOMAR).
- (2012): Quality of experience model for 3DTV. In: Proceedings of IS&T/SPIE ELECTRONIC IMAGING | Stereoscopic Displays and Applications XXIII , San Francisco, CA, USA, vol. 8288, no. 59. DOI: 10.1117/12.907873.
- (2012): A subjective and objective evaluation of a realistic 3D IPTV transmission chain. In: Proceedings of the 19th International Packet Video Workshop (PV) 2012, München.
- (2012): Using overlapping subjective datasets to assess the performance of objective quality metrics on Scalable Video Coding and error concealment. In: Proceedings of the 2012 Fourth International Workshop on Quality of Multimedia Experience (QoMEX), Melbourne, Australia.
- (2012): Subjective experiment dataset for joint development of hybrid video quality measurement algorithms. In: QoEMCS 2012 Third Workshop on Quality of Experience for Multimedia Content Sharing, Berlin.
- (2012): Influence of the source content and encoding configuration on the perceived quality for scalable video coding. In: Proceedings of SPIE Vol. 8291: Human Vision and Electronic Imaging XVII, San Francisco, CA, USA, no. 54.
- (2012): An Overview of the SVC4QoE project. In: Mobile Multimedia Communications, vol. 77.
- (2012): The Influence of Subjects and Environment on Audiovisual Subjective Tests: An International Study. In: IEEE Journal of Selected Topics in Signal Processing, vol. 6, no. 6, pp. 640-651. DOI: 10.1109/JSTSP.2012.2215306.
- (2012): Evaluating Depth Perception of 3D Stereoscopic Videos. In: IEEE Journal of Selected Topics in Signal Processing, vol. 6, no. 6, pp. 710-720.
- (2012): NAMA3DS1-COSPAD1: Subjective video quality assessment database on coding conditions introducing freely available high quality 3D stereoscopic sequences. In: 2012 Fourth International Workshop on Quality of Multimedia Experience.
- (2012): Analysis and Improvement of a Paired Comparison Method in the Application of 3DTV Subjective Experiment. In: 2012 19th IEEE International Conference on Image Processing.
- (2012): Perceived 3D TV Transmission Quality Assessment: Multi-Laboratory Results Using Absolute Category Rating on Quality of Experience Scale. In: IEEE Transactions on Broadcasting, vol. 58, no. 4, pp. 544-557.
- (2012): Reproducibility of crosstalk measurements on active glasses 3D LCD displays based on temporal characterization. In: Proceedings of SPIE Vol. 8288: Stereoscopic Displays and Applications XXIII. ISBN: 9780819489357.
- (2012): 2D No-Reference Video Quality Model Development and 3D Video Transmission Quality. In: Sixth International Workshop on Video Processing and Quality Metrics for Consumer Electronics - VPQM 2012 (Jan 2012; Scottsdale, AZ, USA).
- (2012): Exploration of Quality of Experience of Stereoscopic Images: Binocular Depth. In: Sixth International Workshop on Video Processing and Quality Metrics for Consumer Electronics - VPQM 2012 (Jan 2012; Scottsdale, AZ, USA).



- (2012): Influence of Shooting Conditions, Re-Encoding and Viewing Conditions on the Perceived Quality of User-Generated Videos. In: Sixth International Workshop on Video Processing and Quality Metrics for Consumer Electronics - VPQM 2012 (Jan 2012; Scottsdale, AZ, USA).
- (2011): Visual Discomfort Induced by Relative Disparity and Planar Motion of Stereoscopic Images. In: first Sino French Workshop on Information and Communication Technologies, Nantes, France.
- (2011): Clarifying how defocus blur and disparity affect the perceived depth. In: Proceedings of the First Sino-French Workshop on Education and Research collaborations in Information and Communication Technologies (SIFWICT) 2011, Nantes, France.
- (2011): Standardized Toolchain And Model Development For Video Quality Assessment The Mission Of The Joint Effort Group In Vqeg. In: Proceedings of 2011 Third International Workshop on Quality of Multimedia Experience (QoMEX), Mechelen, Belgique.
- (2011): A Subjective Evaluation of 3D IPTV Broadcasting Implementations Considering Coding and Transmission Degradation. In: IEEE International Symposium on Multimedia (ISM).
- (2011): Quantifying how the Combination of Blur and Disparity affects the Perceived Depth. In: Proceedings of SPIE Vol. 7865: Human Vision and Electronic Imaging XVI.
- (2011): Aligning Subjective Tests using a Low Cost Common Set. In: QoE for Multimedia Content Sharing, Lisbon, Portugal.
- (2011): Subjective Quality of SVC-coded Videos with different Error-Patterns concealed using Spatial Scalability. In: Proceedings of the 3rd European Workshop on Visual Information Processing (EUVIP) 2011, Paris, France.
- (2011): The Influence of Relative Disparity and Planar Motion Velocity on Visual Discomfort of Stereoscopic Videos. In: Proceedings of 2011 Third International Workshop on Quality of Multimedia Experience (QoMEX), Mechelen, Belgique.
- (2011): The Importance of Visual Attention in Improving the 3D-TV Viewing Experience: Overview and New Perspectives. In: IEEE Transactions on Broadcasting, vol. 57, no. 2, pp. 421-431.
- (2011): 55.3: Crosstalk Measurements of Shutter Glasses 3D Displays. In: SID Symposium Digest of Technical Papers, vol. 42, no. 1, pp. 812-815.
- (2011): Study on Visual Discomfort Induced by Stimulus Movement at Fixed Depth on Stereoscopic Displays using Shutter Glasses. In: 2011 17th International Conference on Digital Signal Processing (DSP).
- (2011): New stereoscopic video shooting rule based on stereoscopic distortion parameters and comfortable viewing zone. In: Proceedings of SPIE Vol. 7863: Stereoscopic Displays and Applications XXII;
- (2011): Quantifying how the combination of blur and disparity affects the perceived depth. In: Proceedings of SPIE Vol. 7865: Human Vision and Electronic Imaging XVI.
- (2011): Is visual fatigue changing the perceived depth accuracy on an autostereoscopic display?. In: Proceedings of SPIE Vol. 7863: Stereoscopic Displays and Applications XXII.
- (2011): Subjective evaluation of HDTV stereoscopic videos in IPTV scenarios using absolute category rating. In: Proceedings of SPIE Vol. 7863: Stereoscopic Displays and Applications XXII.
- (2010): Modelling Saliency Awareness for Objective Video Quality Assessment. In: IEEE International Workshop on Quality of Multimedia Experience (QoMEX) 2010, Trondheim, Norway.
- (2010): Subjective Quality Evaluation of H.264 High-Definition Video Coding versus Spatial Up-Scaling and Interlacing. In: QoE for Multimedia Content Sharing, Tampere, Finlande.
- (2010): Subjective Quality Assessment Of MPEG-4 Scalable Video Coding In a Mobile Scenario. In: European Workshop on Visual Information Processing (EUVIP) 2010, Paris, France.



- (2010): Evaluation of MPEG4-SVC for QoE Protection in the Context of Transmission Errors. In: Proceedings of SPIE Vol. 7798: Applications of Digital Image Processing XXXIII, San Diego, CA, USA.
- (2010): Subjective Quality Assessment of Error Concealment Strategies for 3DTV in the presence of asymmetric Transmission Errors. In: 2010 18th International Packet Video Workshop.
- (2010): Video Quality Assessment: From 2D to 3D Challenges and Future Trends. In: 2010 IEEE International Conference on Image Processing.
- (2010): On the Perceptual Similarity of Realistic Looking Tone Mapped High Dynamic Range Images. In: 2010 IEEE International Conference on Image Processing.
- (2010): Modelling Saliency Awareness for Objective Video Quality Assessment. In: International Workshop on Quality of Multimedia Experience (QoMEX) [June 2010; Trondheim, Norway].
- (2010): New Requirements of Subjective Video Quality Assessment Methodologies for 3DTV. In: Fifth International Workshop on Video Processing and Quality Metrics (VPQM) [Scottsdale, AZ, USA].
- (2010): Crosstalk measurement and mitigation for autostereoscopic displays. In: Proceedings of SPIE Vol. 7526: Three-Dimensional Image Processing (3DIP) and Applications.
- (2010): The influence of autostereoscopic 3D displays on subsequent task performance. In: Proceedings of SPIE Vol. 7524: Stereoscopic Displays and Applications XXI.
- (2010): Analysis of Freely Available Dataset for HDTV including Coding and Transmission Distortions. In: Fifth International Workshop on Video Processing and Quality Metrics (VPQM) [Scottsdale, AZ, USA].
- (2009): Influence of Depth Rendering on the Quality of Experience for an Autostereoscopic Display. In: International Workshop on Quality of Multimedia Experience (QoMEX).
- (2009): Temporal Trajectory Aware Video Quality Measure. In: IEEE Journal of Selected Topics in Signal Processing, vol. 3, no. 2, pp. 266-279.
- (2008): Histogram-Based Prefiltering for Luminance and Chrominance Compensation of Multiview Video. In: IEEE Transactions on Circuits and Systems for Video Technology, vol. 18, no. 9, pp. 1258-1267.
- (2007): Time-Constant Histogram Matching for Luminance and Chrominance Compensation of Multi-View Video Sequences. In: Picture Coding Symposium (PCS), Lisbon, Portugal.
- (2007): Fast Video Transcoding from H.263 To H. 264/AVC. In: Multimedia Tools and Applications, vol. 35, pp. 127-146. DOI: 10.1007/s11042-007-0126-7.
- (2007): Perceptually motivated spatial and temporal integration of pixel based video quality measures. In: Mobile Content Quality of Experience 2007 (MobConQoE '07): Fourth International Conference on Heterogeneous Networking for Quality, Reliability, Security and Robustness.
- (2007): Temporal Registration using 3D Phase Correlation and a Maximum Likelihood Approach in the Perceptual Evaluation of Video Quality. In: Proceedings of the IEEE International Workshop on Multimedia Signal Processing.
- (2006): A new algorithm for reducing the requantization loss in video transcoding. In: 2006 14th European Signal Processing Conference.
- (2006): Overview of Low-Complexity Video Transcoding from H.263 to H.264. In: 2006 IEEE International Conference on Multimedia and Expo.
- (2006): Low-Complexity Transcoding of Inter Coded Video Frames from H.264 to H.263. In: 2006 IEEE International Conference on Image Processing.
- (2006): Influence of the Presentation Time on Subjective Votings of Coded Still Images. In: Proceedings of the International Conference on Image Processing.



(2006): Improving the Prediction Efficiency for Multi-View Video Coding Using Histogram Matching. In: Proceedings of the Picture Coding Symposium 2006, [Isernhagen].

(2006): Comparison of matching strategies for temporal frame registration in the perceptual evaluation of video quality. In: Proceedings of the 2nd International Workshop on Video Processing and Quality Metrics for Consumer Electronics. ISBN: 09774739.

(2005): On Requantization in Intra-Frame Video Transcoding with Different Transform Block Sizes. In: 2005 IEEE 7th Workshop on Multimedia Signal Processing. DOI: 10.1109/MMSP.2005.248669.

(2005): Subjektiver Videobetrachtungstest für niederratige Multimedia-Szenarien. In: ITG Fachbericht 188: Elektronische Medien 2005.

(2004): A Fast H.263 to H.264 Inter-Frame Transcoder with Motion Vector Refinement. In: Picture Coding Symposium (PCS) 2004, San Francisco.

: Optimierte Ladeplanung von E-Fahrzeugflotten. In: 2. TRIOKON 2020 – Die ostbayerische Transferkonferenz für Wirtschaft, Wissenschaft und Gesellschaft, Landshut.

: Projekt CITRAM - Citizen Science for Traffic Management. In: 2. TRIOKON 2020 – Die ostbayerische Transferkonferenz für Wirtschaft, Wissenschaft und Gesellschaft, Landshut.

: Subjective and Objective Video Quality Measurement in Low-Bitrate Multimedia Scenarios. ISBN: 978-3-86853-142-8.

: Parity-based Error Detection with Recomputation for Fault-tolerant Spaceborne Computing.