

Doktorand\*innen der Fakultät IV (Stand: 30.03.2021), sortiert nach Betreuer\*in

|     | Nachname, Vorname           | E-Mail-Adresse                               | Promotionsthema/Arbeitstitel  | betreuende*r Professor*in | Fachgebiet |
|-----|-----------------------------|--|---|---------------------------|------------|
| 1.  | Acarer, Ahmet Emre          |  | Stakeholder Games on the Internet: Net Neutrality Debate  | Albayrak                  | AOT        |
| 2.  | Peters, Sebastian           | S.PETERS@TU-BERLIN.DE                        | Anticipatory Session & User Plane Management for AI-driven Beyond-5G Networks   | Albayrak                  | AOT        |
| 3.  | Samimi, Payam               | payam.samimi@campus.tu-berlin.de             | Analyzing the applicability and design a new automated response strategy against intrusions in the cyber-physical systems               | Albayrak                  | AOT        |
| 4.  | Shao, Weija                 |  | Online learning with applications in recommender systems and learning to rank   | Albayrak                  | AOT        |
| 5.  | Wilhelm, Mathias            | mathias.wilhelm@tu-berlin.de                 | Multiple Finger Gesture Recognition Using a Single Finger Ring  | Albayrak                  | AOT        |
| 6.  | Grambow, Martin             | grambow@tu-berlin.de                         | Intrusion Detection in Fog Computing  | Bermbach                  | MCC        |
| 7.  | Röhr, Vera                  | v.roehr@tu-berlin.de                         | Postoperative Delirium - A Data-driven and Model-based Approach   | Blankertz                 | Neuro      |
| 8.  | Tran, Anh Tung              | a.tran@campus.tu-berlin.de                   | Investigation of Low Power RF Front-end Circuits in CMOS Technology   | Böck                      | MWT        |
| 9.  | Zhang, Zihui                | zihui.zhang@campus.tu-berlin.de              | Hochleistungsmikrowellenverstärker mit power-combining Technik unter Verwendung von moderne Halbleitertechnologie                       | Böck                      | MWT        |
| 10. | Freudenberg, Benjamin       | benjamin.freudenberg@tu-berlin.de            | Regelung und Analyse von Multilevelumrichtern in Inselnetzen  | Dieckerhoff               | LE         |
| 11. | Heinbokel, Björn            | bjoern.heinbokel@tu-berlin.de                | Control of Power Converters for Autonomous Microgrids   | Dieckerhoff               | LE         |
| 12. | The, Andrew                 | andrew.the@tu-berlin.de                      | Modular Multilevel Umrichter für Mittelspannungsanwendungen   | Dieckerhoff               | LE         |
| 13. | Heinovski, Julian           | julian.heinovski@campus.tu-berlin.de         | Platoon Formation Strategies for Cars   | Dressler                  | TKN        |
| 14. | Ghafarian Mabhout, Hossein  | hossein.ghafarianmabhout@campus.tu-berlin.de | Design and Implementation of a 9-bit SST Driver   | Gerfers                   | MSC        |
| 15. | Vehring, Sönke Felix        | s.vehring@tu-berlin.de                       | CMOS-Schaltkreisentwicklung für hochintegrierte RF-Transceiver  | Gerfers                   | MSC        |
| 16. | Liebrenz, Timm              | timm.liebrenz@tu-berlin.de                   | Verification of Hybrid Systems with Applications in the Medical Context   | Glesner                   | SESE       |
| 17. | Pfeffer, Tobias Ferdinand   | tobias.f.pfeffer@campus.tu-berlin.de         | Confidentiality Enforcement for Machine Code  | Glesner                   | SESE       |
| 18. | Adam, Daniel                | daniel.adam@tu-berlin.de                     | Fahrzeugsensorbasierte Straßenzustandserkennung mithilfe von Methoden des maschinellen Lernens  | Gühmann                   | MDT        |
| 19. | Liu, Qian                   | qian.liu@tu-berlin.de                        | TBA   | Hauswirth                 | ODS        |
| 20. | Drehmel, Robert             | drehmel@campus.tu-berlin.de                  | Operating System Support for Stream Processing on SoC/FPGA Hybrid ICs   | Heiß                      | KBS        |
| 21. | Sydow, Stefan               | stefan.sydow@tu-berlin.de                    | Graphische Programmiermodelle für die parallele Verarbeitung von Ereignisströmen  | Heiß                      | KBS        |
| 22. | Ley, Andreas                | andreas.ley@campus.tu-berlin.de              | Modellselektion   | Hellwich                  | CV         |
| 23. | Tack, Alexander             | alexander.tack@campus.tu-berlin.de           | Image-based Osteoarthritis Biomarkers   | Hellwich                  | CV         |
| 24. | Liu, Zhaoqin                | zhaoqin.liu@tu-berlin.de                     | Framework and Applications for Ubiquitous health monitoring system  | Kao                       | CIT        |
| 25. | Ritter, Christopher         | christopher.ritter@tu-berlin.de              | Testumgebungen im Wandel  | Kao                       | CIT        |
| 26. | Zehlike, Meike              | meike.zehlike@tu-berlin.de                   | Fairness Frameworks for Machine Learning  | Kao                       | CIT        |
| 27. | Amberger, Nicole            |  | Untersuchung von Ladeakzeptanz und Alterung von Blei-Säure-Batterien und Verbesserung einer industriellen Formationsreihe               | Kowal                     | EET        |
| 28. | Franke, Marcel              | marcel.franke@tu-berlin.de                   | Entwurf eines allgemeingültigen Alterungsmodells für Lithium-Ionen-Batterien mit Graphit-Anode  | Kowal                     | EET        |
| 29. | Korth Pereira Ferraz, Pablo | pablo.korthpereiraferraz@tu-berlin.de        | Der Einfluss schnell schaltender Bauelemente auf den Alterungsprozess von elektrochemischen Speichern für Energieversorgungsanwendungen | Kowal                     | EET        |

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|-----|-------------------------------|--|--|-------------|-------|
| 30. | Marscheider, Julian           | julian.marscheider@campus.tu-berlin.de     | Automatisierte Parameterbestimmung aus Impedanzmessungen an Batterien mit inhomogener und nichtlinearer Impedanz   | Kowal       | EET   |
| 31. | Neupert, Steven Patrick       | s.neupert@campus.tu-berlin.de              | Zustandsbestimmung und -prädiktion von elektrochemischen Energiespeichern in Anwendungen   | Kowal       | EET   |
| 32. | Thatmann, Dirk                | d.thatmann@tu-berlin.de                    | Attribute-based Encryption & Data Sharing & Services & P2P   | Küpper      | SNET  |
| 33. | Zickau, Sebastian             | sebastian.zickau@tu-berlin.de              | Secure Location-based Services in Cloud Computing Ecosystems   | Küpper      | SNET  |
| 34. | Sosa Andrade, Andrés Orlando  |  | Localized Surface Plasmon Resonance conformed by Gold Nanoparticles in a Core-Satellite Assembly and a sensitive Metal Oxide Material as a base for a new Optical and Electro/Optical Gas Sensor | Lang        | AVT   |
| 35. | Leich, Marcus                 | marcus.leich@tu-berlin.de                  | Runtime Analysis of Distributed Data Processing Programs   | Markl       | DIMA  |
| 36. | Hirsch, Tobias                | tobias.hirsch@tu-berlin.de                 | Analysis And Modeling Of Privacy Beliefs, Perceptions And Behavior Of End Users  | Möller      | QU    |
| 37. | Iskender, Neslihan            | NESLIHAN.ISKENDER@TU-BERLIN.DE             | Analysis of Microtask Crowdsourcing for Natural Language Processing Tasks  | Möller      | QU    |
| 38. | Jettkowski, Tobias            | tobias.jettkowski@tu-berlin.de             | Analysis And Modeling Of Privacy Beliefs, Perceptions And Behavior Of End Users  | Möller      | QU    |
| 39. | Brodmann, Paul-David          | p.brodmann@tu-berlin.de                    | Action Refinement for Event Structures   | Nestmann    | MTV   |
| 40. | Prehn, Tobias                 | tobias.prehn@tu-berlin.de                  | TBA  | Nestmann    | MTV   |
| 41. | Wagner, Christoph             | christoph.wagner@tu-berlin.de              | MTV  | Nestmann    | MTV   |
| 42. | Böhmer, Niclas                | niclas.boehmer@tu-berlin.de                | On the Algorithmic Costs of More Realistic Models in Problems from Computational Social Choice   | Niedermeier | AKT   |
| 43. | Li, Ningfei                   |  | Modeling adaptive processing in brain networks   | Obermayer   | NI    |
| 44. | Tigges, Timo                  | timo.tigges@tu-berlin.de                   | Medizinische Signalverarbeitung  | Orglmeister | EMSP  |
| 45. | Urban, Mike Fred              | mike.f.urban@campus.tu-berlin.de           | Verbesserung der Signalaufnahme und Signalverarbeitung von Bioimpedanzsignalen unter körperlicher Belastung  | Orglmeister | EMSP  |
| 46. | Georgieva, Galina Doneva      | galina.d.georgieva@campus.tu-berlin.de     | Integrated Silicon Photonic 2D Grating Couplers  | Petermann   | HF-Ph |
| 47. | Gomez Saavedra, Braulio       | b.gomezsaavedra@campus.tu-berlin.de        | Monolithic InP photonic integrated transmitters for optical OFDM systems   | Petermann   | HF-Ph |
| 48. | Rummel, Johannes              | johannes.rummel@tu-berlin.de               | Data-Mining of Multimedia Applications for Monitoring Quality of Experience  | Raake       | AIPA  |
| 49. | Moradi, Soraia                | moradi@control.tu-berlin.de                | Switching Max-Plus-Linear Systems  | Raisch      | RS    |
| 50. | Passon, Arne Joscha           | passon@tu-berlin.de                        | Hybrid Neuroprosthetics-Robotics-Assisted Therapy for the Upper Limb Using Functional Electrical Stimulation   | Raisch      | RS    |
| 51. | Swieczkowski-Feiz, Dariusz    | dariusz.swieczkowski-feiz@tu-berlin.de     | Sensory feedback system in prostheses  | Raisch      | RS    |
| 52. | Wiesener, Constantin          | constantin.wiesener@campus.tu-berlin.de    | Joint angle-based functional electrical stimulation for paraplegic cycling and swimming.   | Raisch      | RS    |
| 53. | Fischer, Vincent              |  | Untersuchung zur flächigen und lokalen Dotierung von Silizium-Wafern unter Nutzung des Elektronenstrahls   | Rech        | PV    |
| 54. | Lange, Lieven                 | lieven.lange@tu-berlin.de                  | Support Vector Synthesis on Image and Video Data   | Sikora      | NÜ    |
| 55. | Tok, Michael                  | michael.tok@tu-berlin.de                   | Motion Modeling for Motion Vector Compression in Hybrid Video Coding   | Sikora      | NÜ    |
| 56. | Da Silva França, Rafael Lucas | rafael.l.dasilvafranca@campus.tu-berlin.de | Traveling Wave-Based Protection for HVAC and HVDC Transmission Lines   | Strunz      | SENSE |
| 57. | Gromann, Flavio               | flavio.gromann@tu-berlin.de                | Modeling and Simulation of Mobile Energy Storages in Distribution Networks Technical impacts and economic benefits by providing system services  | Strunz      | SENSE |

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|-----|-----------------------------------|---|---|---------|-------|
| 58. | Wiezorek, Christian               | christian.wiezorek@tu-berlin.de               | Integrated Modeling and Optimization of Electric Power and Heat Flows in Residential Sector   | Strunz  | SENSE |
| 59. | Alktash, Nivin                    | nivin.alktash@campus.tu-berlin.de             | Development of transparent p-type conductive metal oxide films for application in CIGSe thin film solar cells   | Szyszk  | TFD   |
| 60. | Farias Basulto, Guillermo Antonio | guillermo.a.fariasbasulto@campus.tu-berlin.de | Thin Film Photovoltaic Energy Yield Optimization  | Szyszk  | TFD   |
| 61. | Härtel, Marlene Sophie            |   | Transparent conductive oxides for Si / Perovskite tandem solar cells by sputter deposition – model based characterization of sputter damage, material development and device implementation | Szyszk  | TFD   |
| 62. | Huo, Fangfang                     | fangfang.huo@campus.tu-berlin.de              | Reactive Megnetron Sputtering and Pulsed Laser Deposition of Transparent Conductive Oxide Coatings for Perovskite/Si Tandem Solar Cells   | Szyszk  | TFD   |
| 63. | Yetkin, Hasan Arif                | h.yetkin@campus.tu-berlin.de                  | Thermische Stabilität des p-n-Übergangs in CIGSe Dünnschichtsolarzellen   | Szyszk  | TFD   |
| 64. | Kupfer, Frank                     | frank.kupfer@tu-berlin.de                     | A silicon-based lab-on-a-chip-system for electroporation  | Thewes  | SE    |
| 65. | Braune, Marcel                    |   | Entwicklung und Charakterisierung Diodenlaser basierter Lichtquellen für die Resonanz-Raman-Spektroskopie in fluorebzierender Umgebung  | Tränkle | MO    |
| 66. | Broszio, Kai                      | kai.e.broszio@campus.tu-berlin.de             | Einfluss der räumlichen Lichtverteilung auf nicht-visuelle Wirkungen  | Völker  | LT    |
| 67. | Karumuri, Vivith Kumar            | karumuri@campus.tu-berlin.de                  | Optimization of Array Spectroradiometer Performance Characteristics by Analyzing the Integral Influence of Hardware Properties and Software Corrections                                     | Völker  | LT    |
| 68. | Saathoff, Birte                   | birte.saathoff@campus.tu-berlin.de            | Einfluss von Licht auf Insekten   | Völker  | LT    |
| 69. | Chwalisz, Mikolaj                 | mikolaj.chwalisz@tu-berlin.de                 | Coexistence of Wireless Technologies  | Wolisz  | TKN   |