



DISSERTATIONEN AN DER TU GRAZ

01. Jänner 2016 bis 30. April 2016 (soweit bekannt gegeben)

Fakultät für Architektur

Gjinolli, Ilir: Public Space in Kosovo - Transformations through History

Fakultät für Bauingenieurwissenschaften

Baldermann, Andre: The Role of Ferruginous Clay Minerals in the Marine Biogeochemical Cycle of Iron

Davila Mendez, Juan Manuel: Displacements Analysis in Layered Rock Masses

Traub, Thomas: A Kernel Interpolation Based Fast Multipole Method for Elastodynamic Problems

Fakultät für Maschinenbau und Wirtschaftswissenschaften

Akin, Mehmet Bugra: Optimal Shape Design of Turbine Endwalls with CFD

Baric, Emil: Computational flow analysis for optimization of wire coating dies

Caliskanoglu, Ozan: Hot ductility investigations of continuously cast steels

Gutsche, Andreas Johann: Robust Whiplash Protection Considering female occupants, variations in seated postures and seat adjustments

Kirsten, Martin: Detektion klopfender Verbrennung in Diesel/Erdgas-Dual-Fuel-Motoren

Lang, Michael: Design of a Steam Expander

Marchner, Martin: Einflussfaktoren auf die Customer Attractiveness bei der Beschaffung knapper Rohstoffe unter besonderer Berücksichtigung wettbewerbsrechtlicher Aspekte am Beispiel der steirischen Holzindustrie

Pertl, Patrick: Engine Development of an Extended Expansion Engine - Expansion to Higher Efficiency

Rabensteiner, Markus: Evaluation of CO₂ absorption solvents for post-combustion capture on the basis of pilot plant studies on hard coal-fired power plants

Schurig, Hartmut Matthias: Methodology to evaluate the agility of a production network using a stress test approach

Selic, Thorsten: Experimental Investigation of the Aerodynamics and Acoustics of Exit Guide Vanes for Future Aircraft Engines

Trattner, Alexander: Future Two-Stroke Engine Technology in Hand-Held Power Tools

Vujic, Stojan: Microstructural investigation of 25Cr-20Ni-Nb-N austenitic steel for USC and A-USC coal power plants

Wolfsgruber, Christoph: Informatization in Production Planning and Control - A Simulation based Evaluation of the Impacts in Flow-Shop Production Systems

Fakultät Elektrotechnik und Informationstechnik

Dunkl, Stephan: Control Aspects of Single and Three Phase PM Drives in Fractional Power Applications

Leitinger, Erik: Cognitive Localization and Tracking using Multipath Channel Information

Oppermann, Felix Jonathan: Programming and Configuration of Wireless Sensor Networks

Seeber, Richard: Strukturelle und quantitative Beurteilung der perspektivischen Beobachtbarkeit linearer zeitinvarianter Systeme

Sporer, Harald: Mechatronic System Development: an Automotive Industry Approach for Small Teams



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Fakultät für Mathematik, Physik und Geodäsie

Aziz, Kirmanj:	Surface Tension Measurements of Liquid Metals and Alloys by Oscillating Drop Technique in combination with an Electromagnetic Levitation Device
Geles, Faruk:	Non-local correlations in the Hubbard model and real material calculations
Greinecker, Florian:	Combinatorial and Number Theoretic Properties of Certain Automatic Sequences
Stanek, Rostislav:	Problems on tours and trees in combinatorial optimization
Volk, Alexander:	Nanocluster and Nanowire Growth in Superfluid Helium Droplets

Fakultät für Technische Chemie, Verfahrenstechnik und Biotechnologie

Baumann, Pierre:	Synthesis and Characterization of Nanosized Silicon Particles for Lithium-Ion Batteries
Daniel, Bastian:	The Family of Berberine Bridge Enzyme-like Proteins from Arabidopsis thaliana
Dunst, Andreas:	Dynamik und Struktur in Konversionsmaterialien für elektrochemische Energiespeichersysteme
Dunst, Sebastian:	Polymer – copper indium sulphide hybrid solar cells: Operational stability and novel device architectures
Grimmer, Christoph:	Energy and Hydrogen Storage in Borohydride based Ionic Liquids
Gruber, Steffen:	The cell factory Ralstonia eutropha: Development of plasmid-based expression systems and analysis of the regulation of carbon dioxide fixation
Gruber, Thomas:	CFD-based modeling approaches for high-temperature corrosion in biomass fired boilers
Ivkovic, Jakov:	Studies Towards the Structure-based Design of Inhibitors of Dipeptidyl Peptidase-3 and Rhodocyclin
Monschein, Mareike:	Enhancing the efficiency of lignocellulose saccharification by modifying enzyme- and substrate associated determinants: Evidence from kinetic analysis
Mozdyniewicz, Danuta Joanna:	Carbohydrate loss reactions during viscose manufacture
Odar, Corinna:	In vivo synthesis of non-canonical amino acids for the production of synthetic protein variants in E. coli
Ortega, Rocel Amor:	Ecology and characterization of the phyllosphere microbiota of plants grown in a built environment
Preishuber-Pflügl, Florian:	Access to Nanocrystalline F-Ion Conductors by Mechanochemistry: Insights into Synthesis Conditions and Diffusion Parameters
Ritzberger, Jürgen:	Flüssigphasenpyrolyse Prozessmodellierung und Scale-Up
Schmidt, Walter:	Zur Li-Ionendynamik in batterie relevanten Festkörpern: Li ₄ Ti ₅ O ₁₂ und Li-haltige Granate
Stella, Filippo:	Synthesis, Rearrangement and Further Reactions of Organosilanes and Organostannanes
Wankmüller, Alexander:	Magnetic Field Effect on P-Type Delayed Fluorescence of the System Perylene with various Porphyrins in Solution
Zelger, Christian:	Entwicklung eines Zinkelektrolyts für die Zink/Luft-Redoxfließbatterie

Fakultät für Informatik und Biomedizinische Technik

Brunner, Patricia:	Design Optimization for Biomedical Soft Field Applications
Champour, Mahdi:	Multi-view Facial Expression Recognition
Hanser, Christian:	Signatures on Equivalence Classes: A New Tool for Privacy-Enhancing Cryptography
Ninaus, Gerald:	Recommendation Technologies in Requirements Engineering
Reiterer, Stefan:	Knowledge-based Technologies for Wiki Environments
Stettinger, Martin:	Recommendation Technologies for Group Decision Making
Walk, Simon:	Edit Patterns in Collaborative Ontology-Engineering Projects
Walzl, Gernot Christian:	Straight Skeletons - From Plane to Space