Afdelingen for El-teknologi - DTU Orbit (25/01/2018)

Afdelingen for El-teknologi
Center for Bachelor of Engineering Studies
Organisational unit: Section

Publications:

Adapting the Accreditation Procedures to a New Educational Technology
Publication: Research - peer-review › Conference article – Annual report year: 2017

System-Level Sensitivity Analysis of SiNW-bioFET-Based Biosensing Using Lockin Amplification
Publication: Research - peer-review › Journal article – Annual report year: 2017

Warlike and Peaceful Societies: The Interaction of Genes and Culture
Publication: Research - peer-review › Book – Annual report year: 2017

Adapting the Accreditation Procedures to a New Educational Technology
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Distance Protection Impedance Measurement for Inhomogeneous Multiple-Circuit 400/150 kV Transmission Lines with Shared Towers
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Evolvable Smartphone-Based Platforms for Point-Of-Care In-Vitro Diagnostics Applications
Publication: Research - peer-review › Journal article – Annual report year: 2016

Prototyping Feedback for Technology Enhanced Learning
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

Prototyping Feedback for Technology Enhanced Learning
Publication: Research - peer-review › Conference article – Annual report year: 2016

Supporting Robotics Education in STEM with Learning Analytics
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Supporting STEM knowledge and skills in engineering education – PELARS project
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016
Training Engineering Disciplines and Skills through Robot Projects
Friesel, A. 2016
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

A Smart Mobile Lab-on-Chip-Based Medical Diagnostics System Architecture Designed For Evolvability
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

Pseudo-Random Number Generators for Vector Processors and Multicore Processors
Publication: Research - peer-review › Journal article – Annual report year: 2015

Advanced microprocessor optimization
Fog, A. 2014
Publication: Research › Sound/Visual production (digital) – Annual report year: 2014

Building a shared understanding of the skills and competences in order to respond to the current global technical challenges
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

SALEIE: An EU project aiming to propose new EIE curricula oriented to key global technical challenges
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

Trends and EIE higher education response to the current global technical challenges
Publication: Research - peer-review › Article in proceedings – Annual report year: 2014

Branch prediction in the pentium family
Publication: Research - peer-review › Journal article – Annual report year: 2017

Projects:

Big Data Applications in Energy Optimization, Smart City and Agriculture
Andersen, B., Schultz, O., Blaszczyk, T., Kaur, B., Bridgwood, I., Bechmann, H. & Friesel, A. 01/01/2017 → 01/01/2018
Project

ForwardCom CPU instruction set architecture
Fog, A. 27/12/2015 → …
Project

Development of Smart Sensor for flow & gas concentration measurement
Bliaszczyk, T., Hou, C., Sørensen, J. A., Andersen, F. H., Andersen, B. & Maack, L. 01/09/2015 → 31/12/2017
Project
**Bæredygtig Produktion**
Herby, M., Larsen, L. L., Maack, L., Hundebøll, P. M. & Nielsen, K.
01/04/2015 → 31/10/2017
Project

**Vector Class Library**
Fog, A.
30/05/2012 → …
Project

**Software optimization resources**
Fog, A.
10/06/1996 → …
Project

**Activities:**

**Cost efficient Quality Management in Microbreweries**
Kristiansen, A. G. (Invited speaker)
2016
Activity: Talks and presentations › Conference presentations

**Optimizing software performance using vector instructions**
Fog, A. (Invited speaker)
Activity: Talks and presentations › Conference presentations

**Basic Beer style parameters, Quality Control by basic means**
Kristiansen, A. G. (Participant)
19 Sep 2016 → 20 Sep 2016
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

**4th CERN openlab Numerical Computing Workshop**
Fog, A. (Invited speaker)
5 May 2014 → 6 May 2014
Activity: Talks and presentations › Conference presentations

**Advanced microprocessor optimization**
Fog, A. (Lecturer)
21 Aug 2007
Activity: Talks and presentations › Conference presentations