

## [Main contents](#)

### Table of contents for Applied Science

#### Engineering

- *Electrical Engineering*

1. [Änderungsdetektion](#) (684 kByte)  
[Chaisaowong K.](#), Haag M. und Nagel H. H.,  
Institut für Algorithmen und Kognitive Systeme, University of  
Karlsruhe
2. [Hybrid Visualization of Human Body Anatomy and Physical Field  
Distribution Interactive Control with Inter-Process  
Communication](#) (148 kByte)  
[Chaisaowong K.](#), Sachse F.B., Werner C.D., and Ossel O.D.,  
Institute of Biomedical Engineering, University of Karlsruhe
3. [Vektorwertige Diffusion](#) (492 kByte)  
[Chaisaowong K.](#),  
Institute of Biomedical Engineering, University of Karlsruhe
4. [A Three-Phase Water Monitoring System for XLPE High-  
Voltage Cable: Principle and Practical Experiences](#) (346 kByte)  
[Rungsevijitprapa W.](#),  
Schering Institute of High-Voltage Technique and Engineering,  
University of Hanover
5. [Performance of PD Fuzzy Logic Controller](#) (287 kByte)  
[Plangklang B.](#)  
Uni-GH Paderborn Abt. Soest.
6. [PD controller using Root-locus Technique and NCD Blockset](#) (126 kByte)  
[Plangklang B.](#)  
Uni-GH Paderborn Abt. Soest.
7. [Neural Network For Short-term Load Forecasting](#) (124 kByte)  
[Plangklang B.](#)  
Uni-GH Paderborn Abt. Soest.
8. [Performance of the Fuzzy Control Design](#) (264 kByte)  
[Plangklang B.](#)  
Uni-GH Paderborn Abt. Soest.
9. [Modeling and Simulation of an Electric Drive using DYMOLA](#) (115 kByte)  
[Plangklang B.](#)  
Uni-GH Paderborn Abt. Soest.

#### Environment Science

1. [The Effects of Irrigation on the Ground Flora of a deciduous  
dipterocarp forest at Huai Hong Krai](#) (64 kByte)  
Suwannaratana S.  
University of Saarbruecken
2. [Comparison of Teak and Pine Plantations in northern Thailand](#) (98 kByte)  
Suwannaratana S.  
University of Saarbruecken

## **Food Science**

1. [New Technology on Food Preservation](#)

*(370 kByte)*

[Kuldiloke J.](#)

[Faculty of Food Technology](#), The Berlin University of Technology