DIENSTBLATT
DER HOCHSCHULEN DES SAARLANDES

2017	ausgegeben zu Saarbrücken, 22. März 2017	Nr. 9

English translation
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SAARLAND UNIVERSITY

Decision of the Deanery of the Natural Sciences and Technology Faculty about implementation of the Transfercentre Sustainable Electrochemistry (TSE)

From 21 March 2017

The Deanery of Faculty NT, on the bases of § 22 Section 1 Sentence 7 No. 6 and No. 25 of the law No. 1556 of the Saarland University (University Law - UL) from June 23, 2004 (Official bulletin page 1782), last revised by Act from the October 14, 2014 (official bulletin I page 406), in continuation of the Transfercentre Nano-Electrochemistry (Dienstblatt der Hochschulen des Saarlandes 2008, page 144), after consultation of the faculty council, has taken the following decision for the implementation of the

Transfercentre Sustainable Electrochemistry (TSE)

what is published herewith.

1. Legal status

The Transfercentre Sustainable Electrochemistry (TSE), under the responsibility of the Natural and Technology Faculty (NT), is a scientific entity according to § 25 UG. The TSE conducts tasks in research and development, as well as in knowledge and technology transfer, in the field of work Sustainable Electrochemistry, defined under issue 2. The TSE cooperates with close subject areas inside and outside of Saarland University and of KIST Europe as well as with industry partners.

Residence of the TSE is the Centre of Environmental Research (Zentrum für Umwelt-forschung, ZfU), Zeile 3, at Campus Dudweiler.

2. Field of work of the TSE

The field of work of the TSE is Sustainable Electrochemistry, an interdisciplinary field between sustainable (“green”) chemistry, nanotechnology and electrochemistry. The goal is the efficient utilization of electric energy for chemical processes as well as the reverse process, the efficient conversion of energy from chemical processes into electrical energy. In those processes, electro-catalysis plays a central role.

The field of work includes:

- Electrochemical synthesis and conversion (galvanic material production, electrochemical CO_2 conversion, electrochemical organic syntheses, biochemical electro-syntheses, electrochemical biomass conversion, electrolysers, photo-electrocatalytic and photo-catalytic water splitting)
- (Bio-) electrochemical analyses / sensors incl. microfluidic devices
- Energy conversion and storage (fuel cells, including fuel cell recycling, rechargeable batteries)
- Electrochemistry and corrosion
- Functional materials for electrochemical applications
- Analytical characterization of electrochemical processes
- Electro-active molecules

3. Mission of the TSE

According to its purpose and the field of work in § 2 the TSE has to administer in particular the following tasks:

a) Initiation and preparation of third-party funded research and development projects, in particular joint research projects with industry,

b) Realization of these projects,

c) Accomplishment of service features (measurements and prototype technical-release procedures using research probes etc.) for interested parties from inside and outside of the Saarland University,

d) In the framework of knowledge and technology transfer the performance of scientific consulting and advanced training/education courses in the TSE field of work as well as educating appropriate, non-scientific skilled personal,

e) Initiation and maintenance of enduring cooperation with appropriate industrial enterprises,

f) Dissemination of the results of the TSE, also to make the contribution of Saarland University and of KIST Europe in the field of energy-related research visible

g) Decision about the utilization of the assigned as well as of the obtained resources, considering the instructions and decisions of the organs of Saarland University.

4. Centre council and management

a) The TSE council as management body of the TNE consists of the holders of the following professorial chairs and working groups, respectively:

- Physical Chemistry

- Inorganic Solid State Chemistry
- General and Inorganic Chemistry
- Bioanalytical Chemistry
- Metallic Materials
- Experimental Methodology of Materials Science
- Structural and Functional Ceramics
- Technical Mechanics

– Direktor des KIST Europe,

– Environmental Safety (KIST Europe),

– Bio Sensors and Materials (KIST Europe),

– Energy Research (KIST Europe).

These members of the TSE council, and possibly further members, are appointed by the dean, after being proposed by the faculty council and after consultation between the University and KIST Europe. The TSE council can, at any time, consult further experts in the working field, especially from other universities, from other research centres and/or from subject-related industrial enterprises.

b) The TSE council is responsible for realization of the tasks at § 3, letters a, d, e, f and g.

c) A member of the TSE council is deputized by the dean, after being proposed by the faculty council and by KIST Europe, as leading manager for 3 years. A substitute can be deputized. The administrative body can procure supported by a scientific coordinator. The administrative body is responsible for the tasks which are not assigned to the TSE council. The leading manager invites at least once per year to a meeting with all cooperation partners, including companies and faculties, to report about current and future work and perspectives.

5. Reporting commitment / Evaluation

The TSE has the duty to report to the deanery of the Faculty NT and to the director of KIST Europe. It will be evaluated according to the statutory rules of the university.

Saarbrücken, 21 March 2017

Prof. Dr. Guido Kickelbick.	Prof. Dr. Rolf Pelster	Prof. Dr. M. Vielhaber
(Dean of Faculty NT)	(Dean of studies)	(Vice Dean)