



Technische Universität München

FIRST ANNOUNCEMENT and INVITATION

The 12th European PhD Workshop on Food Engineering and Technology

Presentations of selected national PhD candidates
in Food Engineering and Technology at European level
will be held in

Freising-Weihenstephan, Germany, on April 17-18, 2018

The workshop will be organised by the
Section on Food of the European Federation of Chemical Engineering (EFCE)
in cooperation with the
European Federation of Food Science and Technology (EFFoST)
and
Technical University of Munich, Food and Bioprocess Engineering

Co-chairmen: Prof. Dr. Ulrich Kulozik (TU Munich) and Prof. Dr. Dietrich Knorr (TU Berlin)

According to the decision of the members of the EFCE Section on Food (see www.efce.info/section/food), an European Workshop on Food Engineering and Technology will be organised every year with the best PhD students of Europe presenting their recent results.

The European Workshops on Food Engineering and Technology took place in Germany (2007 and 2017), France (2008), Italy (2009), Serbia (2010), Spain (2011), Germany (2012), Italy (2013), Germany (2014) and Switzerland (2015 and 2016). They were very successful events, of high quality and well received within the Food Engineering and Technology community.

The 12th European Workshop will be held at the TU Munich in Germany. In addition to the Julius Maggi Research Award, an additional award will be granted to the best Food Process Engineering research: the Bühler Food Engineering Award.

The participants will be supported with up to 500 Euro for travelling expenses and the accommodation by the local organizer. Two valuable rewards of 2,500 € will be offered to the best presentation, selected from the PhD students' presentations for:

JULIUS MAGGI RESEARCH AWARD 2018

Sponsored by **Nestlé PTC Singen, DE**
Focus: Food Product Engineering

BÜHLER FOOD ENGINEERING AWARD 2018

Sponsored by **Bühler AG, Uzwil, CH**
Focus: Food Process Engineering

Nominations of excellent PhD candidates are sought. Documents of the candidates should be sent to the national organisation responsible for Food Engineering and Technology or to a leading Professor in Food Engineering and Technology within the respective country without national organization and then forwarded to the Workshop Co-chairs ulrich.kulozik@tum.de and dietrich.knorr@tu-berlin.de.

until February 15, 2018

including the following documents:

- ✓ name, address and CV of the candidate;
- ✓ name and address of the PhD supervisor (including the university and department);
- ✓ title of the paper and an abstract (1-2 pages) of the suggested presentation;
- ✓ name, address and letter of recommendation from a national food engineering/processing professor.

Selection criteria are as follows:

Highly qualified young European scientists who will finish their PhD in Food Engineering and Technology soon or have recently received a PhD are invited to present their work. The candidates should be less than 35 years old.

Original research papers on innovative topics at the interface between food and engineering are welcome, particularly those of relevance to industry, including:

- engineering properties of foods, food physics and physical chemistry;
- heat, mass transfer in food processing (coupled with chemical or biochemical reactions)
- process-structure-function relationships of foods and food constituents;
- food particle engineering;
- product design and engineering;
- interfacial aspects of food engineering
- modeling and simulation
- pasteurization, sterilization, hygienic design
- cleaning, disinfection and rinsing
- process measurement and control, packaging, storage and distribution;
- engineering aspects of the design and production of traditional as well as novel foods and of food service and catering;
- design and operation of food processes, plant and equipment;
- economics of food engineering, including the economics of alternative processes.

Accounts of food engineering achievements are of particular value.

The Scientific Committee will identify the best submissions, and will aim to keep the selection, as a rule, at one PhD candidate per country. The decision on the final selection of the candidates will be completed by March 15th, 2018.

Dietrich Knorr
Co-chairman of the 12th Workshop
Chairman of the EFCE Section on Food

Ulrich Kulozik
Co-chairman of the 12th Workshop
TU Munich