



ECERS SUMMER SCHOOL ■ BUDAPEST, HUNGARY ■ 07-08/07/2017
INNOVATIVE TECHNOLOGIES IN THE FIELD OF CERAMIC MANUFACTURING

The Summer School on “Innovative technologies in the field of ceramic manufacturing” was held in Novotel Danube Budapest in Budapest, Hungary, from 7th to 8th July.

There were 45 participants from 21 countries :

- 32 from European countries : Austria (1), Belgium (1) Denmark (1) Estonia (1), Finland (2), France (10), Germany (3), Hungary (1), Ireland (1), Italy (1), Russia (1), Serbia (1), Slovenia (2), Spain (3), Sweden (1), Switzerland (1) and UK (1)
- 13 from non European Countries : Colombia (1), India (2), Malaysia (1) and USA (9)



The JECS Trust supported this Summer School for up to 18.000 € (mainly for travel expenses of teachers). 15 grants were allowed by the American Ceramic Society for travel (\$ 1,000) for ACerS student members.

High quality courses were given during 2 days by:

- Emanuel Ionescu – Institute for Materials Science, Darmstadt University of Technology - Darmstadt, Germany: PRECERAMIC POLYMER ROUTES TO ADVANCED CERAMICS
- Andrea Zocca – BAM - Berlin, Germany: ADDITIVE MANUFACTURING OF CERAMICS
- Enrique Juste – Belgian Ceramic Research Centre - Mons, Belgium: MACHINING OF CERAMICS : TOWARD HYBRIDIZATION
- Richard Todd – Oxford University - Oxford, UK: FLASH SINTERING - NEW SCIENCE FOR FASTER, GREENER DENSIFICATION
- Clive A. Randall - The Pennsylvania State University University Park - Pennsylvania, USA : THE EARLY DAYS OF COLD SINTERING: WHERE WE ARE, WHERE WE ARE GOING, AND OUR DREAMS
- Clive A. Randall – The Pennsylvania State University University Park - Pennsylvania, USA: HUMANITORY ENGINEERING MATERIALS
- Jean-Marc Chaix – University of Grenoble Alpes - Grenobles, France : MICROWAVE SINTERING
- Olivier Guillon –Institute of Energy and Climate Research -Materials Synthesis and Processing - Jülich, Germany: FROM ELECTRIC FIELD ASSISTED TO WATER ASSISTED SINTERING: CURRENT STATUS AND POSSIBILITIES OFFERED BY FAST/SPS

- Javier Garay – University of California - San Diego, USA: PROCESSING, PROPERTIES AND APPLICATIONS OF TRANSPARENT CERAMICS
- Elisabeth Dickey, Department of Materials Science and Engineering, North Carolina State University - USA: PROCESSING AND PROPERTIES OF EUTECTIC CERAMIC COMPOSITES
- Paolo Colombo – Dept. Industrial Engineering, University of Padova - Padova, Italy: CELLULAR CERAMICS: STRUCTURE, PROCESSING AND PROPERTIES

A presentation of ECerS and the JECS Trust was also made by Anne Leriche and Francis Cambier as well as a presentation of EUCERMAT by Carmen Baudin and of the Young Ceramists Network by Erkka Frankberg.

A poster contest was organised and the winners were:

- Number one: Corinne Salles, Saint-Gobain CREE – LSFC, Cavailon, France
- Number two: Arezoo Embadi, Missouri University of Science and Technology, Rolla, MO, USA
- Number three: Johanna Schmidt, University of Padua, Padua, Italy

They received a prize money of 300, 200 and 100 €.