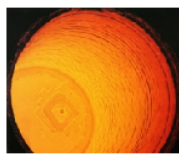
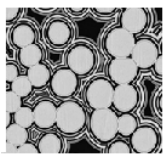
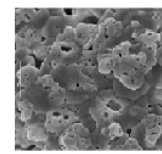


ECerS SUMMER SCHOOL for students and industrialists High and Ultra-High Temperature Ceramics



Ultra refractories
Thermo-structural composites
Refractories



Reactivity and corrosion



The Summer School on “Ultra refractories Thermo-structural composites Refractories” was organised by ECerS and the Politecnico di Torino, at campus Ligotto in Torino, Italy, on 14th and 15th June 2019.

There were 68 registered participants from 18 countries (China, Italy, Norway, Romania, Russia, Slovakia, Turkey, Korea, Portugal, Spain, Belgium, United Kingdom, India, Austria, Germany, Poland, United States and France).

The JECS Trust supported this Summer School for up to 17.400 € (mainly for travel expenses of teachers).

10 grants were allowed by the American Ceramic Society for travel for ACerS student members.

High quality courses were given during 2 days by:

- Prof. M. Rigaud, Ecole Polytechnique, Canada
- Prof. In-Ho Jung, Seoul National University, South Korea
- Prof. J. Poirier, CEMHTI-CNRS, University of Orleans, France
- Dr T. Tonnesen, RWTH Aachen University, Germany
- Prof. F. Rebillat, LCTS, University of Bordeaux, France
- Prof. Y. Kagawa, Tokyo University of Technology, Hachioji, Japan
- Dr M. Balat Pichelin, PROMES-CNRS, France
- Prof. J. Binner, School of Metallurgy and Materials, University of Birmingham, UK
- Dr F. Monteverde, ISTECCNR, Italy
- Prof. E. Opila, Dpt. of Materials Science and Engineering, University of Virginia, USA

Covering topics such as:

- Design, characteristics, applications and degradation of high and ultra-high temperature ceramics
- Thermodynamics: phase diagram and chemical reaction
- Reactivity and corrosion of refractories by liquid and gas
- Reactivity and corrosion of ceramic matrix composites
- Reactivity and corrosion of ceramic matrix composites
- Reactivity and corrosion of ultra-high ceramics



A presentation of ECerS and the JECS Trust was also made by Jon Binner as well as a presentation of the Young Ceramists Network by Dominique Hautcoeur.