

**< Name of Institution >**

Institute of Ceramics Research and Education, Nagoya Institute of Technology, JAPAN

**< Project Title >**

Young Scientist-Training Program for World Ceramics Network

**< Project Outline >**

This unique program responds to the demands of a continuously developing society by solving energy, environment and resource problems occurred in the beginning of the 21<sup>st</sup> century. Nagoya Institute of Technology (NITECH) believes that materials science, including ceramics, can contribute to help address these problems, and has developed the program to create systems supporting international collaboration which could lead to a World Ceramic Network.

NITECH is located in the Chukyo area, where most manufacturing is based on 'ceramics', and has produced numerous high level achievements in a wide range of research. NITECH is also known as a unique academic institution which is concerned with the specialized research and education of ceramics, and has fostered many talented engineers and researchers in the field.

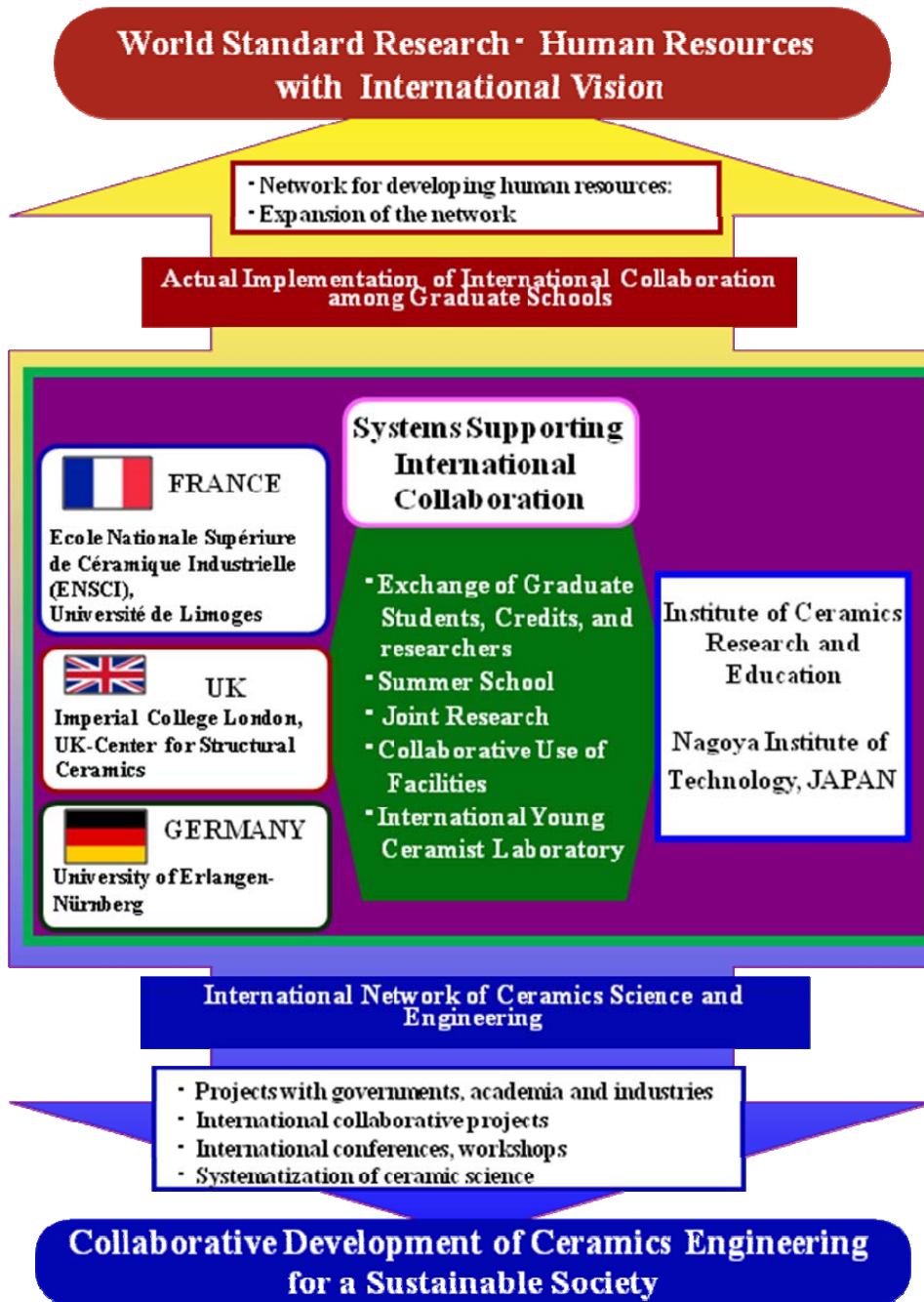
Based on the above mentioned advantage, the Institute of Ceramics Research and Education was established by NITECH to collaborate and cooperate with various research institutes inside and outside Japan. By constructing the research instruction system to invite researchers from these institutions as teaching staffs, the Institute has been striving to develop human resources. This program owes a lot to this Institute's potentials.

The program is conducted with three institutions that have shown the greatest achievements in Europe, and encourages student exchange and joint research in various fields of materials science whose main concerns include energy, environment and biotechnology. The main purpose of the program is to create the systems supporting international collaboration among these institutions, within which various activities will be encouraged: international collaborative research, exchanging researchers, common teaching materials, and international conferences and summer schools at regular basis in order to foster young researchers at a world standard research level and with international vision. Young researchers, mainly graduate students, are encouraged to conduct practical tasks of joint research within the network. By offering this kind of research environment, we believe the students will certainly lead their research fields with unique and international vision in order to create a World Ceramic Network.

**< Overseas Partner Institution(s) >**

- Ecole Nationale Supérieure de Céramique Industrielle (ENSCI), Université de Limoges, Limoge, FRANCE
- Imperial College London (Centre for Structural Ceramics), London, UK
- University of Erlangen-Nürnberg, Erlangen, GERMANY

< Conceptual Scheme of the Project >



< Contact >

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