

**【Name of Institution】**

Plasma Nanotechnology Research Center,  
Graduate School of Engineering, Nagoya University

**【Project Name】**

Program for incubating young researchers on Plasma Nanotechnology Material & Device Processing

**【Project Outline】**

High-tech plasma processing technology is indispensable for the development and application of highly functionalized new nano-materials and nano-devices. "Plasma-Nano science" is interdisciplinary research area that is based on plasma science, electronics, applied physics, applied chemistry and process engineering. So far, there was no research institute in Japan that aims at systematization of plasma-nano science and this fact resulted in the delay in development in this research area in Japan. To respond to requests from industries, Nagoya University has started organization of this research area based on the establishment of Plasma-Nano Technology Research Center, and has started general research and education on plasma-nano science.

In this program, Ph.D students and post-doctoral researchers will be sent to Ruhr Universitat Bochum, Sungkyunkwan University and University of Texas in Dallas those are famous for their research activity on basic plasma research, plasma application and bio-related plasma processing, respectively. Research experience in these universities improves faculty of Ph.D students and post doctoral researchers. This program finally aims at producing many researchers those have balanced faculty for plasma science and plasma application.

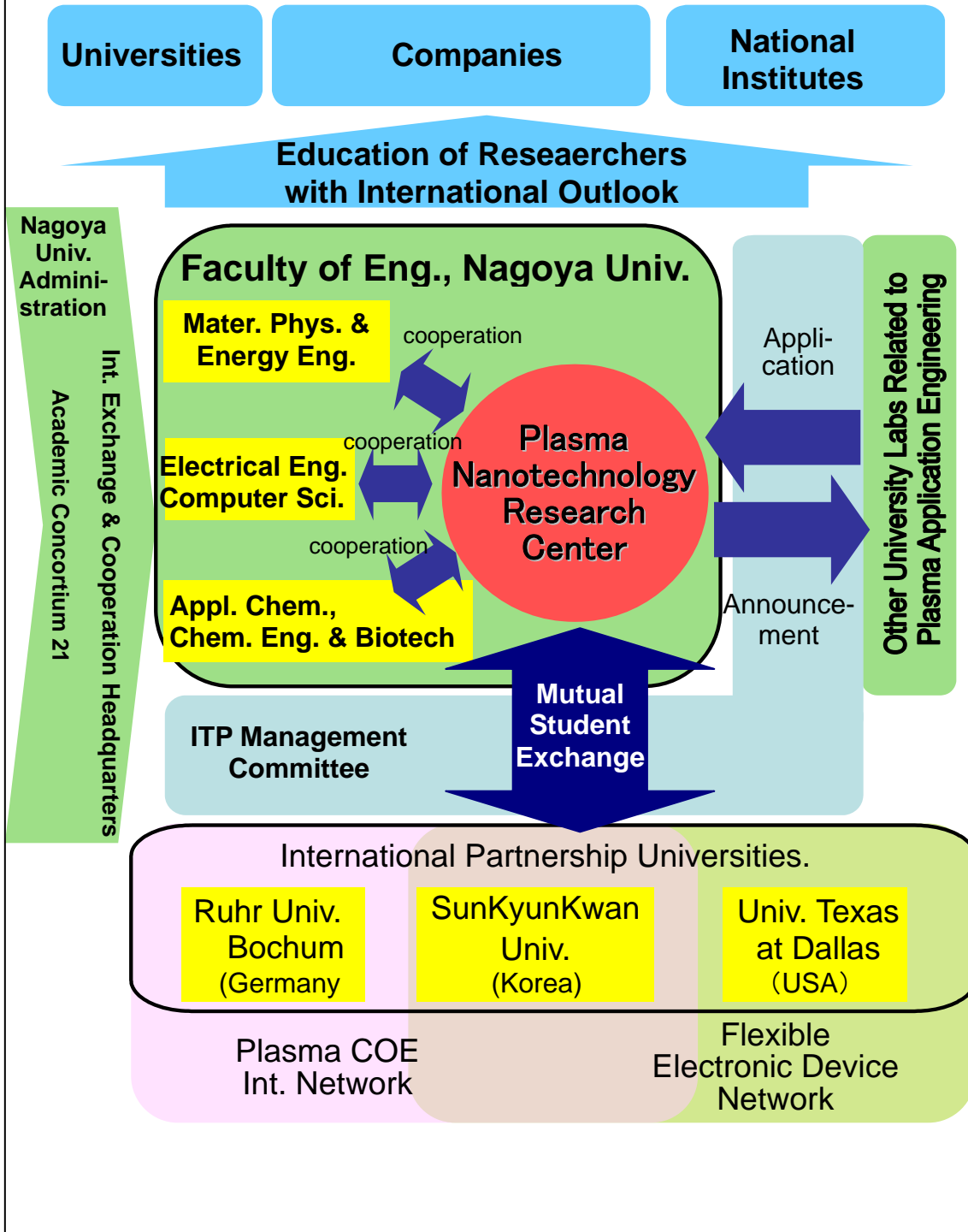
**【Domestic Partner Institution(s)】****【Overseas Partner Institution(s)】**

Ruhr-Universität Bochum, Center for Plasma Science and Technology (CPST), [Bochum, Germany]

SungKyunKwan University, Center for Advanced Plasma Surface Technology (CAPST), [Suwon, Korea]

University of Texas at Dallas, International Center for Advanced Materials Processing (ICAMP), [Dallas, TX, USA]

**【Conceptual Scheme of the Project】**



**【Contact】**

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