22nd I²plus Seminar

Schedule: 15:30 ~, 5th April 2017

Place: Meeting Room (4F, Bldg #1, Noda)

Speaker: Prof. Shuangfeng WANG

(Dept. Chem. & Chem. Eng., South China U. Tech.)

Micro heat pipe technology and its application

Abstract: As it is well known the development of electronic devices, such as LED chips and CPU chips, become more and more miniaturized and integrated, which account for the over concentration of the heat flux in the device. Thus, it is significant to develop cooling device at micro and nano scale. Heat pipe is an efficient approach, which has super heat transport ability with compact size. Different from traditional heat pipe, there are three new types of heat pipe attracting our attention. We have conducted a series of research on micro heat pipes from fundamental to application for 15 years. In order to improve its heat transfer coefficient, we completed research on geometric structure and working fluids by experiments and numerical simulation. Micro and nano structure at surface will take into consideration in the near future.

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Organizer: International Research Div. of Interfacial Thermo-Fluid Dynamics (I²plus), RIST, TUS

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