

# **GSIC Lecture Meeting 2009 No.01**

## **Japan - Italy Joint Program**

### **in Computational Fluid Dynamics on TSUBAME**

When? 5<sup>th</sup> October, 2009 / 15:00 – 17:00

Where? Oh-Okayama Area West Bldg. 8 E 10F

Organized by GSIC (Global Scientific Information and Computing Center)  
& Research Laboratory for Nuclear Reactors

The symposium aims at enhancing cross-fertilization between TokyoTech and Italian POLIMI (Politecnico di Milano) scientists in the area of supercomputing. In particular, discussions will center on Computational Fluid Dynamics and will be extended to the future possibilities of the supercomputing in nuclear engineering research and development. POLIMI and Tokyo Tech have been actively exchanging staffs and students in the framework of academic exchange agreement between two universities. Taking this opportunity and for undergraduate and graduate students of Tokyo Tech, our invited professors from POLIMI will give an introduction to the Italian education system and how it applies to POLIMI students.

#### **Speakers:**

Emanuela Colombo, Department of Energy, Politecnico di Milano,  
Professor, “The Italian education system and how it applies to  
POLIMI” and “A short history of what happened in Italy from the  
nuclear side”

Fabio Inzoli, Department of Energy, Politecnico di Milano,  
Professor, “Application of CFD to nuclear reactor design: Protocol of  
Analysis for CFD Cycle Process in Engineering” (tentative)

Elia Merzari, Tokyo Tech, JSPS Fellow Scientist,  
“CFD as a tool to understand flow physics - what supercomputing can  
do?”

Takayuki Aoki, GSIC, Tokyo Tech, Professor,  
“GPU accelerated CFD applications on TSUBAME supercomputer”  
Marlon Arce Acuna, GSIC, Tokyo Tech, Graduate Student,