

## Panel Discussions

In this Congress, we have selected two important key subjects for panel discussion: one is Micro/Nano Manipulation which will deal with the cutting edge technology needed for nano instrumentation and fabrication, and development of future nano devices. The other one is IFAC Control Resources Initiative that will treat generation of reputable control system database, a one-stop Internet shopping point in order to provide services to teach and research needs of the IFAC community members.

Title	Micro/Nano Manipulation	<i>ThAPD</i>
Organizer	Toshio Fukuda (JP)	
Panelists	Sergej Fatikow (DE), Stephanus Buttgenbach (DE), Ning Xi (CN), YoungHo Cho (KR)	

Micro and Nano manipulation is the cutting edge technology for the advanced technology, such as the precision engineering and manufacturing and medical bio life science. It can play important roles of the nano instrumentation, fabrication and assembly. There will be a lot of potentials to create many nano devices, such as sensors and actuators as well as nanomaterials and nanostructure also. It needs also nano imaging and nano scale precise control in real time. Thus the Micro and Nano manipulation will be the key technology for the R&D of the micro and nano related tasks and projects.

Date	July 10 (Thu)
Time	10:30 - 12:30
Location	Room 401, Conference Center, 4 <sup>th</sup> Floor

Title	IFAC Control Resources (ICR) Initiative Discussion and Sharing Session at the 08 IFAC World Congress	<i>ThCPD</i>
Organizer	Ljubo Vlacic (AU), Sebastien Dormido (ES) and Anthony Rossiter (UK)	
Panelists	Frank Allgöwer (DE), Anthony Rossiter (UK), A. Ramakalyan (IN), Victor Becerra (UK), Li Qiu (CN), Graham Goodwin (AU), James Whidbourne (UK), Liu Guoping (CN), Ljubo Vlacic (AU), Sylviane Gentil (FR)	

Recently, IFAC has introduced the IFAC Control Resources initiative which is envisaged to gradually generate a reputable control systems database, a one-stop Internet shopping point able to provide a quality response to web-based enquiries about control systems, their underpinning theories and applications.

To kick start this initiative, within this session at the 2008 IFAC World Congress, we will provide opportunities for attendees to share and discuss educational resources with each other.

Date	July 10 (Thu)
Time	16:30 - 18:30
Location	Room 402, Conference Center, 4 <sup>th</sup> Floor