

The Fourth CMI Symposium



Collaborative Research Center for Manufacturing Innovation, IIS, U-Tokyo
Consortium for Manufacturing Innovation (CMI)
Supported by : SJAC (The Society of Japanese Aerospace Companies)

Project Through Industry - University - Government Collaboration

Aiming at a Rapid Progress of Manufacturing Technology for Aircrafts —Latest Topics and New Entries to Aircraft Business—

The world's aircraft industry is maintaining a high rate of growth of 5% per year by economic growth in emerging countries and the development of globalization. Besides, aiming improvement in fuel efficiency, CFRP, titanium and Al-Li alloy are being applied to aircrafts to make the airframe lighter. They are called difficult-to-cut materials and establishment of new technologies for high speed machining is necessary. In April 2013, CMI, a project through industry-university-government collaboration was launched. In CMI, 3S (Science, Speed, Same Target) is our slogan and active researches are conducted. In this symposium, we will introduce you about current market outlook, technology trends and also participations of small and medium-sized companies in CMI activities.

Date: October 14, 2016 (Friday)

Time: 13:00-17:00

(Registration starts from 12:00)

Venue: Tokyo Big Sight

International Conference Room

※Kokusai-Tenjijyo-Seimon Station

(Yurikamome) 3 minutes' walk from South Gate

※Kokusai-Tenjijyo Station

(Rinkai Line) 7 minutes' walk

Conference Fee : Free of Charge

Program

Simultaneous translation (Japanese-English) will be provided

13:00-13:05 **Opening Speech**

※Contents may be partially modified.

Dr. Teruo FUJII, Professor, Director General, IIS, The University of Tokyo

13:05-13:40 **"Direction for Developing Japanese Aerospace Industry and Expectations towards CMI"**

Mr. Hiroyuki HATADA, Director, Aerospace and Defense Industry Division, Manufacturing Industries Bureau

13:40-14:15 **"Progress in CMI Researches"**

Dr. Toshiyuki OBIKAWA, Professor, IIS, The University of Tokyo

14:15-14:50 **"Trends in Aerospace Manufacturing"**

Mr. Lane BALLARD, Vice President of Materials & Manufacturing Technology, Boeing Research & Technology

14:50-15:25 **"Cutting Simulation for Aircraft Materials"**

Dr. Takashi MATSUMURA, Professor, School of Engineering, Tokyo Denki University

(15:25-15:40 Coffee Break)

15:40-16:15 **"Innovation of Machining Solutions"**

Mr. Francis RICHT, Manager, Industry Segments & Component Management, AB Sandvik Coromant

16:15-16:50 **"New Entries to Aircraft Business"**

Dr. Akira HASHIMOTO, Project Professor, IIS, The University of Tokyo

17:00 **Closing Remarks**



Registration (Starting from August 1, 1000 people maximum) Please register from the webpage written below.

<http://www.cmi.iis.u-tokyo.ac.jp/>

(CMI Members) IIS, The University of Tokyo, The Boeing Company, Mitsubishi Heavy Industries, LTD, Kawasaki Heavy Industries, Ltd, Fuji Heavy Industries LTD., DMG Mori Seiki CO., LTD., AB Sandvik Coromant, OSG CORPORATION, SUMITOMO ELECTRIC HARDMETAL CORP., MITSUBISHI MATERIALS CORPORATION, Toray Industries, Inc., Idemitsu Kosan Co., Ltd. Kobe Steel, Ltd., NACHI-FUJIKOSHI CORP.

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