

The Fifth CMI Symposium



Collaborative Research Center for Manufacturing Innovation, IIS, U-Tokyo

Consortium for Manufacturing Innovation (CMI)

Project Through Industry-University-Government Collaboration

Kashiwa Campus, IIS, UTokyo

Aiming at New Developments of Manufacturing Technology for Aircrafts —Results of CMI Activities and Expectation towards the Future—

The world's aircraft industry is maintaining a high rate of growth of 5% per year by the development of globalization. Besides, aiming improvement in fuel efficiency, difficult-to-cut materials, for example, CFRP, titanium and Al-Li alloy, are being applied to aircrafts to make the airframe lighter. For high performance cutting of these materials, development of new manufacturing technology is necessary. In April 2013, CMI, a project through industry-university-government collaboration was launched for this purpose.

In this symposium, lectures of latest aircraft market trends and technical trend will be given and we will also introduce the results of CMI Activities and activity policy for the future. For research efficiency, almost all of the research facilities were moved to Kashiwa Campus. We will hold this symposium here at Kashiwa and after the symposium, we will have a facility tour so we very much welcome your participation.

Date : October 17, 2017 (Tuesday)

Time: 13:00-17:00 (Registration starts from 12:30)

Venue : Conference Room, IIS Research and Testing Complex I, Kashiwa Campus, UTokyo

※ From TX Kashiwanoha-campus Station, 10 minute bus ride to Todai-mae bus stop by Tobu Bus (5 minute ride by taxi) and 5 minute walk from Todai-mae bus stop to venue

※ Detailed map is shown in CMI Webpage

Fee : Free of charge

Program (Tentative)

13:00-13:05 Opening Speech

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

13:05-13:40 "The Direction Japanese Aerospace Industry should head for and Expectations towards CMI"

Mr. Takuma TAKAHASHI, Assistant Director, Aerospace and Defense Industry Division, Manufacturing Industries Bureau, Ministry of Economy, Trade and Industry

13:40-14:15 "Results of CMI Research and Development"

Dr. Jun YANAGIMOTO, Professor, IIS, The University of Tokyo

14:15-14:50 "Aerospace and Automotive Manufacturing – Specific Differences and Trends"

Dr. Phillip J. Crothers, Chief Engineer for Materials and Manufacturing Technology, Boeing Research & Technology

14:50-15:25 "Aircraft Business of MHI"

Mr. Hiroshi TANEDA, Fellow, Senior Chief Engineer, Commercial Aviation Systems, Mitsubishi Heavy Industries, LTD

(15:25-15:40 Coffee Break)

15:40-16:15 "New cutting and grinding technology for aerospace difficult-to-cut materials (tentative)"

Dr. Hiroyuki SASAHARA, Professor, Tokyo University of Agriculture and Technology

16:15-16:50 "CMI Activity Policy for the Future"

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

17:00 Closing Remarks

17:00-18:00 Facility Tour of CMI Researches



03-5452-
Registration (Starting from August 1) 180 seats available, first-come –first-served basis)
Please register from the webpage written below.

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

Contact : IIS, The University of Tokyo cmi-mi@iis.u-tokyo.ac.jp

Yanagimoto Lab. Ms. Hatakeyama (03-5452-6204)
Hashimoto Lab. Ms. Uchimiya (03-5452-6778)

Mawatari Lab. Ms. Kawashima (03-5452-6221)

【CMI Members】 IIS, The University of Tokyo, The Boeing Company, Mitsubishi Heavy Industries, LTD, Kawasaki Heavy Industries, Ltd, SUBARU CORPORATION, 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. ACM TOCHIGI CO.,LTD, YASHIMA, Co., Ltd., Iwado Industry Co., Ltd., Kyoritsukiko Co., Ltd, MIZUNO METAL WORKS. CO., LTD, Tokuda Industries Co., Ltd., HEIWA SANGYO CO., LTD., MARUTAKA INDUSTRIAL CO.,LTD., NTS Co.,Ltd, KSI Co., Ltd, FUKUDA CORPORATION and SADO SEIMITSU CO.LTD