China-EU Conference
On Green Aviation Research – Shanghai

Related to research on drag reduction/DRAGY, noise reduction/IMAGE, green materials/ECO-COMPASS, and advanced production/EMUSIC technologies

Tuesday, 8th November 2016

9:00 - 9:20 **Opening Ceremony**
Chairpersons: Prof. Dr. Jun HUA (China Aeronautical Establishment, China)
Prof. Dr. Gabriel Budgeda (CIMNE, Spain)

Ms. JingMin SHI (Deputy Director General, Ministry of Industry and Information Technology, People's Public of China)

Mr. Takke Manning (Counselor for Science, Technology and Innovation, Embassy of the Kingdom of the Netherlands)

KEYNOTE PRESENTATION-1
Chairpersons: Dr. Xiaosu YI (AVIC-ACC, China)
Dr. Adel Abbas (Universidad Politecnica de Madrid, Spain)

9:20 - 9:50 Dr. Laurent Bochereau (Minister Councilor, Head of Science, Technology and Environment Section, Delegation of the European Union in Beijing): Europe - China research and development cooperation, opportunities and perspectives

9:50- 10:20 Prof. Dr. XiaSheng SUN (Chinese Aeronautical Establishment, CAE, China): China-EU cooperation on aviation research, a review and perspective

10:20-10:50 Coffee Break

TECHNICAL PRESENTATIONS-1
Chairpersons: Dr. Argiris Kamoulakos (ESI Group, France)
Prof. WenChao HUANG (AVIC-ASRI, China)

10:50-11:15   Dr. QunFeng CHENG (Beihang University, China): High performance bioinspired graphene based nanocomposites via synergistic toughening for aerospace

11:15-11:40   Prof. Dr. Chris Rudd (The University of Nottingham, Ningbo): Composites recycling solution for aviation industry

11:40-12:05   Prof. Dr. JingShen WU (Hong Kong University of Science & Technology): Light-weight thermoplastic composites for green aviation

12:05-12:30   Dipl-Ing. Jens Bachmann (Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Germany): Life Cycle Assessment (LCA) of ecological improved composites for aviation - A Review

12:30 - 13:30   Lunch

KEYNOTE PRESENTATION-2

Chairpersons: Prof. Dr. Yao ZHENG (Zhejiang University, China)
Dr. Chris Rudd (The University of Nottingham, Ningbo)

13:30-14:00   Prof. Dr. Adel Abbas (Universidad Politecnica de Madrid, Spain): Integrated propulsion: Drag reduction concept and aircraft implications

14:00-14:30   Prof. DeGang CUI (AVIC, China): Multidisciplinary optimization application on aeronautical research

14:30-15:00   Dr. Argiris Kamoulakos (ESI Group, France): Virtual engineering for green aviation

15:00-15:30   Prof. Dr. Xin ZHANG (The Hong Kong University of Science and Technology): Broadband noise simulation for aircraft noise prediction

15:30-16:00   Coffee Break

TECHNICAL PRESENTATIONS-2

Chairpersons: Dipl-Ing. Jens Bachmann (DLR, Germany)
Dr. JingShen WU (Hong Kong University of Science & Technology)

16:00-16:25   Dr. JiFeng XU (COMAC, China): Research & application of composites in Chinese commercial airplane program

16:25-16:50   Dr. Tim ten Velde (Royal Dutch Airline - KLM, Netherlands): The state-of-the-art for sustainable airline operations and the need for innovation

16:50-17:15   Dr. Louis Aartman (NLR, Netherlands): Contribution of ATM to greening air transport - Through innovation and international cooperation

17:15-17:40 Dr. Hai NAN (AECC-BIAM, China): Progress efficient manufacturing for aerospace components using addictive manufacturing, net shape HIP and investment casting

17:40- 18:05 Dr. KaiXiang LI (Aircraft Strength Research Institute of China, ASRI, China): Active noise control for propeller driven aircraft

19:00   Official Dinner

<u>Wednesday, 9th to Friday, 11th November 2016</u>
(Internal project meeting of DRAGY, IMAGE and ECO-COMPASS in parallel, detailed agenda will be prepared by each project)

Technical Tour and/or Social Program could be arranged according to each project meeting progress and request.