



www.khai-era.khai.edu

The KhAI-ERA project is funded by the European Commission's Directorate-General for Research & Innovations under the FP7 Capacities Specific Programme on International Cooperation – Grant Agreement no 294311

KhAI-ERA

KhAI Integration into European Research Area



KhAI-ERA

Integrating the
National Aerospace University «KhAI»
into European Research Area



National Aerospace University



European Research Area

KhAI-ERA project

The KhAI-ERA project aims to twin National Aerospace University "KhAI" with four excellent European research and innovation organisations to reinforce KhAI research cooperation capacities and become more closely integrated into the European Research Area (ERA). In this context the KhAI-ERA project activities will include:

- **Scientific knowledge exchange and joint experiments set up** to twin KhAI with EU partners and build long-term reliable research partnership in three advanced aerospace and IT research areas
- **Multi-approach dissemination & promotion campaign** to raise KhAI global visibility and increase European research organisations' awareness about KhAI's scientific excellence
- **Specialised training modules development** in the three targeted research topics to strength KhAI's human potential
- **KhAI strategy development** in order to increase the University's research excellence and response to national socio-economic needs, and deepen ties with the European aerospace industry and research organisations

As a result of KhAI-ERA project implementation, both KhAI participation in European Research Area (including EU R&D Programmes) and regional socio-economic impacts will be increased



KhAI-ERA research focus

Research Topic A – Composite Materials:

- A1. Composite structure design optimisation
- A2. Composite structure manufacture and repair

Research Topic B – Advanced Manufacturing for Aircraft Assembly:

- B1. Advanced Manufacturing Tools for Aircraft Assembly
- B2. Advanced Manufacturing Processes for Aircraft Assembly

Research Topic C – Dependable Embedded Systems:

- C1. Dependable Embedded Systems for Aerospace Applications
- C2. Dependable Embedded Systems for Medical Applications

KhAI in figures

General

- Founded in 1930
- 10 Faculties
- 41 Departments
- 2 Research institutes
- 4 Research centres
- Lyceum
- Territory 25 hectares

Teaching

- Over 10 000 students
- 1 000 international students
- 236 postgraduate and doctoral students
- 18 fields of study, 38 bachelors, 54 master and 14 doctoral degrees programmes
- 13 EU funded TEMPUS projects

Research in 2011

- 104 fundamental and applied research
- 1 832 academic and research publications
- 47 doctoral graduates
- Over 100 research partners in 50 countries
- 6 EU funded FP6/FP7 projects

Staff

- 2 600 employees incl.
- 1182 research and academic staff incl.
- 110 professors
- 493 associate professors

KhAI-ERA partners

 National aerospace University «KhAI»
www.khai.edu

 Brno University of Technology,
Institute of Aerospace Engineering
www.vutbr.cz

 Fraunhofer Institute for Factory Operation and
Automation
www.fraunhofer.de

 Tallinn University of Technology,
Centre for Integrated Electronic Systems and
Biomedical Engineering
www.cebe.ttu.ee

 Intelligentsia Consultants Ltd
www.intelligentsia-consultants.com



KhAI-ERA coordinator contact

Igor Rybalchenko
National aerospace University «KhAI»
Tel: +38057 719-0473
Fax: +38057 719-0473
e-mail: iar@khai.edu
Address: 17 Chkalova str.,
Kharkiv, 61070, Ukraine

