

### A New Interdisciplinary International Master Programme: “IT Applied in Aviation”

In the context of digitalization and continuous growth and development, the KAAT project responds to the needs of re-skilling and up-skilling of the air transport professionals.

One of the main results of the [KAAT project](#) is to launch a new interdisciplinary, international study programme in line with the necessity of skilled work force with multidisciplinary knowledge and competences both in IT and aviation. The purpose of this advanced master's programme is to provide students with depth of interdisciplinary knowledge in both IT and aviation fields of study.

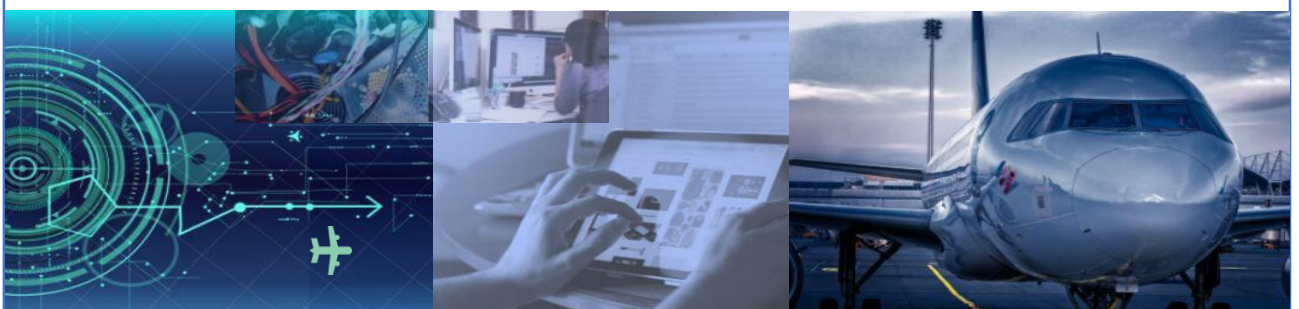
This master programme strongly focuses on digitalization of air transport, ensuring cross-disciplinary skills in aviation and ICT and a holistic understanding of ICT options and methods applied in aviation.

The master will ensure knowledge and skills for challenging current and new jobs, such as: Chief IoT, Data architect, Cybersecurity engineer, Environmental Analyst, Virtualisation engineer, Developer, Responsible with digital data, Data Scientist, Airport UX Designer, Growth Hacker, Mechatronic Engineer.

Organized in a modular structure, the MSc offers students with background in aviation to learn IT and for the IT professionals to learn aviation. The master programme is expected to start in the fall of 2019 at [University Politehnica of Bucharest](#) and in 2020 at [École Nationale Supérieure Des Mines d'Albi-Carmaux](#) in France in cooperation with Strasbourg University, [University of Zilina](#) Slovakia, Instituto Technico Lisboa in Lisbon, Portugal and at the [University of Zagreb, Faculty of Traffic and Transport Sciences](#) in Croatia.



KAAT partners  
planning to  
launch the  
ITAA master



## **KAAT Results Presented at CEDEFOP**

KAAT representatives from the University Politehnica of Bucharest ([UPB](#)) visited the [CEDEFOP](#) headquarters in Thessaloniki, Greece, on the 21<sup>st</sup> of March 2019.

The visit offered the occasion for a detailed discussion regarding the most salient results of the KAAT the “[Report on Occupational Analysis in Air Transport Industry](#)” and the “[Report on Qualifications in Air Transport](#)”, which were appreciated as relevant information. The new study programmes organized by the UNESCO Chair at UPB, one of them as a direct result of the KAAT project, namely “IT Applied in Aviation” generated a lot of enthusiast from the CEDEFOP representatives who expressed their interest in updates.

During the meeting, representatives of CEDEFOP and KAAT found common relevant topics and created the basis for furthered collaborations among the two teams.



(left to right) [Loukas Zahilas](#) and [Sorin Eugen Zaharia](#) at CEDEFOP HQ

## **KAAT Director as Key Note Speaker at “Next Generation Transport Industry Innovations” (ZIRP) 2019 Conference**

The [University of Zagreb, Faculty of Traffic and Transport Sciences](#) in Croatia was the host of the 2019 ZIRP “Next Generation Transport Industry Innovations” conference during the 9<sup>th</sup> -10<sup>th</sup> of May in Opatija, Croatia.

The Director of the [Knowledge Alliance in Air Transport Project \(KAAT\)](#), Sorin Eugen Zaharia was invited as key speaker to the conference. The audience received with elevated interest the presented results of the KAAT.

Moreover, the conference provided a venue for a reunion and discussions among KAAT partners.



(left to right) Marin Pašić, Croatia Airlines, Sorin Eugen Zaharia, University Politehnica from Bucharest, and Doris Novak, University of Zagreb at the [ZIRP 2019 Conference](#)

## KAAT Results Receive Warm Welcome at the 12<sup>th</sup> ACI Europe Forum Held in May 2019 in Iasi, Romania

The 12<sup>th</sup> ACI Europe Leadership and HR Forum was organised in Iasi (Romania) by ACI Europe together with University Politehnica of Bucharest, Iasi Airport and the University Alexandru Ioan Cuza from Iasi. The event was dedicated to the HR specialist from the European airports.

This Forum, bringing together the university and employers, created the venue for a productive discussion regarding the future occupations and qualifications in aviation with important feedback from employers for the higher education trends.

The event was a new great opportunity for the dissemination of the most noticeable results of the KAAT project. The ACI members acknowledged with great interest another result of the KAAT project: the new master program "IT Applied in Aviation" that is scheduled to be launched at UPB and other three universities this fall. The master program design and innovative features received very good feedback and promises of support and collaboration and inspired a new working group within

ACI forum that will be focused on Education.

The event got a very warm welcoming from the [local press](#) and was featured in an one hour [interview](#) at TVR Iasi, the local television.



Sorin Eugen Zaharia, KAAT Project Director, Mihnea Costoiu, Rector of UPB, Danielle Michele, ACI Europe, Georgia Stergiopolou, Athens International Airport, Mihaela Onofrei, Prorector of Al.I Cuza University, Maricel Popa, President of the Iasi County Council at the opening of the 12<sup>th</sup> ACI Leadership & HR Forum



The representatives attending 12<sup>th</sup> ACI Forum, on the steps of the Al. I. Cuza University

## A Week Dedicated to E-learning Organized in April 2019 in Albi, France

IMT Mines Albi Carmaux was the host of a one week event dedicated to e-learning during the 15<sup>th</sup> and 20<sup>th</sup> April 2019. The purpose of the week was to gather the Higher Educations Institutions that are partners in the KAAT project and improve the curriculum and organization of the master programme "IT Applied in Aviation".

This event aimed to allow participants to discover the different tools, techniques and pedagogical means useful and necessary in the development of e-learning training.

The agenda of the event focused on the potential of the Moodle platform for e-learning, the key points in the development of an e-learning programme, competency-based and project problem approach, case studies and gaming in the context of e-learning.

Through the morning conferences the participants benefited from the expertise and testimonials of specialized trainers, teachers who have experienced these pedagogical tools.

Distance training managers presented their feedback, particularly on the difficulties of accompanying students.



Snapshots from the e-learning week of April



The classroom at IMT Mines Albi- Carmaux for the conferences of the e-learning week



Group pictures of the participants of the e-learning week, in front of the IMT Mines building in Albi, France

During the e-learning week, the afternoons were dedicated to a series of highly interactive workshops. Participants worked in teams on various assignments, had to present their findings and also document their results. Most assignments involved the development of synergetic solutions for various challenges the ITAA M.Sc. raises due to it's international and multidisciplinary nature.

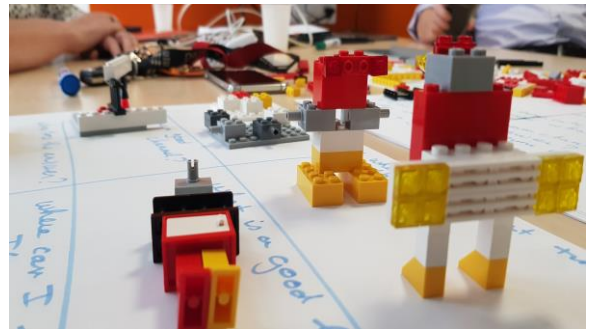
The workshop "Designing the student-teacher-administration for a training that works" involved the structuring of the ITAA master keeping in mind the perspectives of multiple stakeholders. In addition, the various options for the design of the Moodle platform of the ITAA master's courses was also discussed among all partners.

Workshops were planned to offer participants the opportunity to use multiple ways to design their solutions, including flipcharts, blackboards and also Lego parts. The teams used different methods to communicate their solution of design for a better communication among relevant stakeholders, a shared tools and procedures.

The workshop "Designing learning scenarios to create an online courses" aimed provide participants with concepts and tools to create scenarios for a better involvement of students in the courses. Participants build scenarios using toolkits that could be used to improve the courses. Presentations of pilot projects followed.



One of the team presenting the results of the SWOT analysis for ITAA M.Sc.



Lego pieces used to create visual representation of solutions design to improve stakeholder participation



Trainers explaining the use of multiple tools that could be use to improve the involvement of students during courses



## Future event

### Invitation to the International Conference “Air Transport Qualifications in 21st Century”

University Politehnica of Bucharest and all the Knowledge Alliance in Air Transport ([KAAT](#)) project partners are glad to send an open invitation to all stakeholders to join us. The event will take place in Rome on the 11<sup>th</sup> of October 2019.

The conference aims to bring together important stakeholders in aviation from both education and business. The main topics of this conference are occupations and qualifications trends in aviation. You will discover new qualifications in aviation supported by new international and innovative study programmes that respond to the future business needs. A sectorial qualification framework in aviation and a proposal for recognition of prior learning and work experience will also be presented.

The KAAT project aims to build a sustainable bridge between universities and air transport employers. The project consortium reunites 15 partners from education, training and industry from Croatia, France, Italy, Portugal, Romania and Slovakia. business

For pre-registration please access this [link](#) so that you may receive further information regarding the detailed agenda. Should you have questions, please write us at [kaat-office@upb.ro](mailto:kaat-office@upb.ro).

We look forward to meeting you in Rome!

