

## Bilateral workshop in Aeronautics presented as a successful approach to be pursued

For the 6th time the Brazilian –Swedish Workshop in Aeronautics has been arranged, this time at The Royal Institute of Technology in Stockholm. With over 100 participants during the day, subjects of collaboration between government, industry and academia were discussed and examples of bilateral projects were showcased. With almost half of the participants coming from Brazil, the workshop can be seen as a successful result of the bilateral efforts to strengthen the cooperation in Aeronautics.

Inauguration speakers were state secretary Oscar Stenström from the Swedish Ministry for Foreign Affairs and Executive Secretaries from Brazil: Marcos Jorge de Lima from Ministry of Industry, Foreign Trade and Services (MDIC) and Elton Santa Fé Zacarias from Ministry of Science, Technology, Innovation and Communication (MCTIC). They commemorated the workshop as a brilliant initiative to fuel bilateral research between the two countries and a great example that should function as a role model for bilateral activities in other areas.

The workshop has always been an excellent networking occasion, gathering people with interest of collaboration in the Aeronautics area. By highlighting interesting areas for cooperation and to initiate discussions face2face, projects have had a shorter lead time for initiation.

“The workshop has always brought together people with a common interest for aeronautical research, wanting to cooperate bilaterally. The unique approach has been a platform for joining academia, industry and government and sparked joint ideas and set in motion projects that wouldn’t have come to life otherwise, says” Anders Blom, Program Director Innovair.

One of the ongoing projects is the Human Factors Lab with a cross disciplinary focus for civil & military use when it comes to pilots. The project is a collaboration between Saab, Linköping University (LiU) and Instituto Tecnológico de Aeronáutica (ITA) and takes a holistic human factors laboratory concept into use. The research focuses on human factor design for pilot modelling and decision support, making sure that the pilot can operate in the best environment possible.

Other projects cover the areas of: How to reduce laminar flow over airplane wings, thereby reducing the amount of fuel used and Methods for sub-scale demonstrator to reduce risk and shorten lead time.

Professor Dan Henningson at the Royal Institute of Technology, is involved in the project regarding laminar flow. He gave a technical presentation of the project during the day and according to him: “Having the opportunity to present the ongoing work regarding a bilateral project in this setting, with participants eager to be involved in similar projects, was great fun. It wasn’t only about presenting technical data, but also to try to inspire how to work together and to challenge more of the participants to try to set up bilateral projects between Sweden and Brazil in the Aeronautical area. I hope I succeeded.”

Besides presentations, participants were given the opportunity to participate in ConverStations, a form of discussions with the purpose to spark off ideas and new approaches to subjects and problems. The participants also had the opportunity to take part in poster sessions throughout the day.

Next year the 7<sup>th</sup> Brazilian Swedish workshop in Aeronautics will be held in connection to the International Council of the Aeronautical Sciences (ICAS) in Belo Horizonte, Brazil, strengthening the Aeronautical research agenda between Sweden and Brazil. And continuing on the workshop series, No 8 is planned to be arranged in October 2019, in Sweden.

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