

Teaching Exchange with Dr. Ioana Koglbauer

Dr. Ioana Koglbauer from Graz University of Technology, Austria visited ISAE-SUPAERO from October 16 to 20, 2017 for a teaching exchange at the invitation of Prof. Jean-Charles Chaudemar. This activity was supported by the Erasmus+ program for higher education within an agreement between the Graz University of Technology, Austria and ISAE-SUPAERO, France. The teaching cooperation was motivated by the common interest in STAMP¹ (Systems-Theoretic Accident Model and Process) a new model for engineering safety in complex sociotechnical systems. The STAMP methodology was developed by [Nancy Leveson](#), Professor for Aeronautics, Astronautics and Engineering Systems at Massachusetts Institute of Technology in the U.S.A.

The teaching exchange consisted of a four hours lecture on STAMP and the related tools such as STPA, STPA-Sec, CAST that was attended by ninety students. In addition, during a four hours seminar eighteen students received guidance and supervision on applying STPA.

“This teaching exchange was an excellent opportunity to meet Prof. Jean-Charles Chaudemar, his students and colleagues from different departments. We plan to extend in the future our teaching and research cooperation on using STAMP for engineering safe and secure aviation systems. I look forward to welcoming Prof. Jean-Charles Chaudemar at Graz University of Technology” said Dr. Koglbauer.



Dr. Ioana Koglbauer (Graz University of Technology, Austria)
with Prof. Jean-Charles Chaudemar (ISAE-SUPAERO)



¹ STAMP is a new model of accident causality in complex systems, based on systems theory and control theory. Based on STAMP the System Theoretic Process Analysis (STPA), is a very effective method for improving safety and security in existing sociotechnical systems and for designing new systems in aviation, space and other fields.