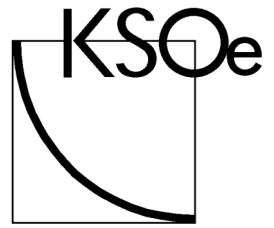


# Space Exploration of the Space Station and Space Shuttle Missions and their Impact on Society



Die Fachschaft Physik der Kantonsschule Oerlikon lädt Sie herzlich zu einem Vortrag von Prof. Dr. Granda in der Aula der KS Oerlikon, Birchstr. 107, am **Mittwoch, den 26. Mai, um 13.30 Uhr** ein. Bei dem anschliessenden Apéro können Sie Herrn Granda persönlich kennen lernen.

**Prof. Dr. José J. Granda**  
*NASA Faculty Fellow*  
*Guest Professor ETH, Zurich*  
*Department of Mechanical Engineering,*  
*California State University, Sacramento USA*



Have you ever wondered what Engineers do at NASA in the USA and ESA in Europe? How does one become an astronaut? Would you like to take a virtual tour inside NASA and watch live the landing of the STS-132 mission? If you do so, you have to come to this presentation! Prof. Jose Granda is a NASA Faculty Fellow and a Guest Professor at ETH in Zürich. He will present a talk for students, parents, teachers and friends of KSOe, about what engineers do in Space Exploration from start to carrying out a Space Mission. He will take us on a virtual tour of NASA and then at 2:44 p.m, provided all goes well, we can watch live the landing of the Space Shuttle Atlantis at the Kennedy Space Center in Florida.

The technical aspect of the presentation will describe how engineers use mathematical methods and computer modeling and simulation to design a space mission and predict what will happen in Space once the Space Station is built. Engineers must bring back the astronauts safely. It is an opportunity to find out, where do we go now. Back to the Moon? Mars? Can man live long in Space? Finally, his presentation will relate to the audience his own experiences as a NASA Faculty Fellow and how modern methods are contributing to the development of systems used in space missions. Email: [grandajj@ecs.csus.edu](mailto:grandajj@ecs.csus.edu)