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CUBESATS AND SATELLITES MINIATURIZATION: SMALL PLATFORMS FOR BIG APPLICATIONS

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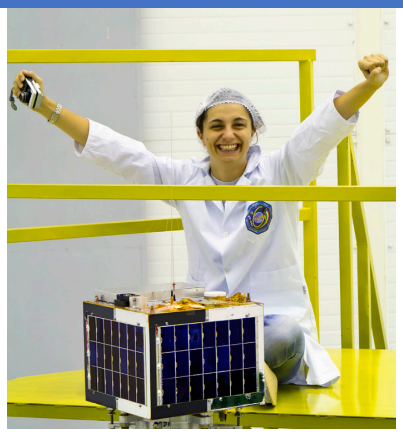

→ Wednesday 29 May, 11:00

Università di Trieste, Piazzale Europa 1
aula C, edificio C9
ONLINE: https://meet.google.com/fsd-dsac-vgk

Abstract: Since CubeSat became a standardized satellite platform, the space access has been completely revolutionized. We are assisting now on the satellite miniaturization: smaller and smaller platform are used to perform new and fascinating missions. But where is the limit?
The talk will give an overview of past, present and future university satellites missions, focusing the attention on limits, performances and applications of the new miniaturized satellites.

Short bio: Dr. Chantal Cappelletti is an Assistant Professor at the University of Nottingham (UK), where she is a member of the Nottingham Geospatial Institute (NGI) and affiliated with the Mechanical and Aerospace Systems (MAS) group.
Previously, she was an Assistant Professor at the University of Brasilia (Brazil), where she was the leader of the small satellite division of the LAICA research team and the founder of the UnB CubeSat program. During her stay in Brazil, she was an external consultant for the Brazilian Space Agency, acting as supervisor and official reviewer for several satellite projects and responsible for three Brazilian satellite launches from the International Space Station. In addition, she was responsible for launching several satellites developed by teams from different countries (Perù, Spain, Pakistan, Italy, etc), acting not only as a launch provider but also as a consultant for the emerging CubeSat teams. She has led 6 satellite projects in Italy and in Brazil.
With a strong collaboration network that is spread almost all over the world, Dr. Cappelletti has always focused her attention on enabling new satellite applications, promoting new interdisciplinary cooperations and student involvement, taking care of the long-term sustainability of the projects and on their impact on the society and future space explorations. Her main passions are related to biomedical research applications, space debris mitigation, climate change, disaster monitoring, and STEM activities.