



Ph.D. Program in Electronics, Computer Science and Electrical Engineering

SEMINAR SERIES
Geospatial Machine Learning and AI for
Hyperspectral Remote Sensing
Dr. Jon Atli Benediktsson
University of Iceland

- 11:00-13:00 Oct. 26th, 2026 (Room C6):
Basics of VHR and hyperspectral remote sensing.
- 16:00-18:00 Oct. 26th, 2026 (Room H1):
Morphological Profiles and Attribute Filters
- 14:00-16:00 Oct. 28th, 2026 (Room E6):
Optimized Feature Selection for Attribute Filters.
- 14:00-16:00 Oct. 29th, 2026 (Magenta Seminar Room):
Advancing Geoscience and Remote Sensing through Large-Scale AI.

Abstract:

The main teaching activity will be dedicated to the presentation of the most modern techniques for characterizing hyperspectral images through analysis techniques related to statistical morphology. A final seminar will focus on the use of Foundation Models and Artificial Intelligence in Earth observation applications.

Bio:

Jón Atli Benediktsson has been Professor of Electrical and Computer Engineering since 1996. He served as President and Rector of the University of Iceland from 2015 to 2025 and as President of Aurora Universities from 2020 to 2024. Prof. Benediktsson has been named to the Clarivate Highly Cited Researchers list since 2018. Prof. Benediktsson was the 2011–2012 IEEE Geoscience and Remote Sensing Society (GRSS) President and the 2003–2008 Editor-in-Chief of IEEE Transactions on Geoscience and Remote Sensing. Currently, he is Editor-in-Chief of IEEE Press and Senior Editor for the Proceedings of the IEEE. Prof. Benediktsson is an International Member of the National Academy of Engineering, a Fellow of SPIE, and a member of Academia Europaea, Sigma Xi, and Tau Beta Pi. He received the IEEE Third Millennium Medal (2000), the IEEE GRSS Outstanding Service Award (2007), the GRSS David Landgrebe Award (2018), and the IEEE GRSS Education Award (2020). Prof. Benediktsson was a recipient of the 2012 IEEE Trans. on Geoscience and Remote Sensing Paper Award. In 2013 and 2024, he was a recipient of the IEEE GRSS Highest Impact Paper Award.

Organizer

Prof. Paolo Gamba

Ph.D. Coordinator

Prof.ssa Ilaria Cristiani

Seminar in English

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