



WINTER SEMESTER 2023-2024

The AMU Lecture Serie in **Aeolian Geomorphology in Coastal Areas** consists of five lectures that deal with aeolian geomorphology with an emphasis on the interaction between aeolian and nearshore processes. Coastal dunes often act as a natural protection against storms that recently become stronger and more frequent due to climate warming and sea level rise. Therefore the knowledge on how the entire dune-beach-shoreface system may accommodate this changes is of high importance. The group of invited lecturers includes researchers from leading research centers around the world, that specialize in the aeolian research in coastal areas.

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| 1. Beach-dune interaction and controls on the evolution of a sandy beach system | 19 October | 4:30 PM CEST |
| Prof. Robin Davidson-Arnott
Department of Geography, Environment and Geomatics; University of Guelph, Canada | | |
| 2. Restoring dune dynamism for conservation and hazard management | 9 November
(10 November) | 5:00 PM CET
(5:00 AM NZDT) |
| Dr. Mike Hilton
School of Geography, University of Otago, New Zealand | | |
| 3. A review of initiation and evolution of coastal transgressive dunefields | 7 December | 10:00 AM CET |
| Prof. Patrick A. Hesp
College of Science and Engineering, Flinders University, Adelaide, Australia | | |
| 4. Coastal dunes and aeolian geomorphology in the context of climate and environmental change | 11 January | 4:30 PM CET |
| Dr. Irene Delgado-Fernandez
Department of Earth Sciences, University of Cadiz, Spain | | |
| 5. Dune morphodynamics, a numerical perspective | 25 January | 4:30 PM CET |
| Prof. Clement Narteau
Institut de Physique du Globe de Paris, Université de Paris, France | | |