



„Connectivity Conversations“ mini-conference



Date/time: **October 15th 2020, 3:00 – 6:15 pm (CET)**

Place: Zoom **meeting (online)**

Organizers: Ronald Pöpl, Anthony Parsons (**IAG WG “Connectivity in Geomorphology”**)

PROGRAMME

Part I (3:00 – 4:30 pm):

3:00 – 3:06 **Introduction** (Ronald Pöpl, Anthony Parsons)

3:06 – 3:18 **Percolation theory of connectivity: The Road** (Allen Hunt, Wright State University)

3:18 – 3:30 **The Sediment Flow Connectivity Index. Definition and experimental application to flood prone areas** (Marina Zingaro, University of Bari)

3:30 – 3:42 **Topological representation of complex multichannel river networks** (Yanhui Liu, University of Lancaster)

3:42 – 3:54 **Graph Theoretical Analysis of the Evolution of Ultraluminous Infrared Galaxies (ULIRGs)** (Vicky Papadopoulou Lesta, European University Cyprus)

3:54 – 4:06 **Using a geomorphic connectivity concept at catchment scale for lake and wetland management** (Manudeo Singh, Indian Institute of Technology Kanpur)

4:06 – 4:18 **Channel networks in rivers and estuaries** (Maarten Kleinhans, University of Utrecht)

4:18 – 4:30 **Particle size-specific river network dis-connectivity. A case study of anthropogenic impacts from the Rother Valley, West Sussex** (Ian Foster, University of Northampton)

Break (4:30 – 4:45 pm)

Part II (4:45 – 6:15 pm):

4:45 – 4:57 **Stream connectivity links climatic and tectonic forcing to riverine biodiversity** (Nathan Lyons, Tulane University)

4:57 – 5:09 **Does fragmentation from “energy sprawl” change landscape-scale connectivity in US deserts? An aeolian perspective** (Gayle Tyree, New Mexico State University)

5:09 – 5:21 **Integrating sediment (dis)connectivity into a sediment yield model for semi-arid catchments** (Louise Lodenkemper, <https://www.zutari.com/>)

5:21 – 5:33 **Impact of bio-geomorphology dynamics on connectivity temporality** (Jonas Souza, Paraiba Federal University)

5:33 – 5:45 **Semi-quantitative estimations of sediment connectivity in a glacierized basin** (Michael Turley, University of British Columbia)

5:45 – 5:57 **Evaluation of sediment connectivity under different hydro-geomorphic characteristics in Brazil** (Franciele Zanandrea, University Rio Grande do Sul)

5:57 – 6:09 **Representing sediment buffers in spatially distributed models** (Giulia Battista, ETH Zurich)

6:09 – 6:15 **Concluding remarks** (Ronald Pöpl, Anthony Parsons)