



online, December 2, 2021

# 2<sup>nd</sup> NEPTUNE INTERNATIONAL WORKSHOP

## collapse into now

a glimpse into the past, a step into the future

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# FINAL PROGRAM OF 2ND NEPTUNE INTERNATIONAL WORKSHOP

DECEMBER 2, 2021

09:00 a.m. - 05:30 p.m. **UTC+1**

**09:00 Introduction of Neptune activities by Gaia Mattei**

**09:10 Matteo Vacchi**, Vice President of CMP (Coastal and Marine Processes)  
INQUA commission

**09:20 Alessio Rovere**, Leader of PALSEA INQUA Focus Group

## Invited speaker

**09:30 - 9:50 Andrew Green**, Leader of SPLOSH INQUA Focus Group (A. Green, A. Cooper, E. Anthony, D. Ramdhunee) - Stratigraphic records of a macro-tidal, tropical estuarine embayment reveal episodic sea-level rises: Mocimboa da Praia, northern Mozambique

## **09:50 - 11:05 Session #1 – Chairperson Claudia Caporizzo**

**09:50 Patrick Nunn** - Losing Ground: The Trauma of Postglacial Submergence and Lessons for the Future

**10:02 Ettore Valente** (E. Valente, V. Amato, E. Russo Ermolli) - Geomorphological evolution of the Elea-Velia coastal area (southern Apennines): an example of human-induced acceleration of natural processes

**10:14 Rosa Molina** - Characterization and evolution of the Mediterranean coast of Andalusia (Spain) and influence of anthropic interventions on it

**10:26 Gianluigi Di Paola** (G. Di Paola, A. Minervino Amodio, C.M. Roskopf) - Application of UAV-derived data for beach monitoring and vulnerability assessment: the case of Molise coastline (southern Italy)

**10:38 Kostantinos Tsanakas** (K. Tsanakas, E. Karymbalis, K. Gaki-Papanastassiou, H. Maroukian, E. Koskeridou, A. Cundy, D. Papanastassiou, D.V. Batzakis, M. Andreou) - Palaeogeographic evolution of Alykes lagoon, Pydna, Northern Greece during the Holocene, based on geomorphological and sedimentological data

**10:50 Davide Susini** (D. Susini, R. Goffredo, D.M. Tottenc, I. Mazzinia) - Holocene paleoenvironmental analysis of the southern margin of the Salpi lagoon (northern Apulia, Italy)

**11:05 - 11:20 Break**

**11:20 - 12.27 Session #2 – Chairperson Livio Ronchi**

- 11:20 Fermin Alvarez** - Saltmarshes as Geological Tide Gauges to reconstruct Sea Level Change
- 11:32 Gino de Gelder** (G. de Gelder, N. Hedjazian, A.M. Pastier, L. Husson, T. Bodin) – Inverting marine terrace morphology to constrain paleo sea-level
- 11:44 Giulio Poggi** (D. Susini, G. Poggi, G. Bianchi, R. Hodges, P. Pieruccini) - Holocene palaeoenvironmental evolution of the Piombino coastal plain (Tuscany, Italy)
- 11:56 Rikza Nur Faqih An Nahar** (R. Nur Faqih An Nahar, P. Sulastya Putra, Y. Aswan) - Study of the September 28<sup>th</sup> 2018 Tsunamigenic Landslide Deposits in Palu, Central Sulawesi, Indonesia Based on Foraminifera Data
- 12:08 Luke D. Engelbrecht** (L.D. Engelbrecht, A.N. Green, J.A.G. Cooper, C.F. Mackay) - Deltas, rivers and dunes: submerged shorelines reveal the effects of meltwater pulses on the SE African coast
- 12:20 Miklos Kazmer** - The *Pomatoleios kraussii* serpulid worm – an Indo-Pacific sea level marker in Late Pleistocene and Holocene

**12:27 - 2:00 Lunch break**

**Invited speaker**

- 2:00 - 2:20 Paolo Stocchi** - Large discrepancies between sea-level proxies and geological indicators

**2:20 - 3.20 Session #3 – Chairperson Ana Novak**

- 2:20 Sally R. Derrett** - Future Fens: using palaeoecology to inform restoration and conservation of the Lincolnshire Fenlands
- 2:32 Miklos Kazmer** (M. Kázmér, S. Prizomwala) - Hindu temple marks 8th century sea level (Mahabalipuram, Tamil Nadu, India)
- 2:44 Sebastian Richiano** (S. Richiano, A. Varela, L. D'Elia, A. Bilmes, M. Aguirre) - Holocene beach ridge evolution at Río de la Plata estuary, Argentina: Former answers for future questions?
- 2:56 Pavel Y. Georgiev** (P.Y. Georgiev, N. Praho) - Submerged fortifications of ancient Mesembria
- 3:08 Grazia Dilauro** - Protection and enhancement of vulnerable coastal environments through a geomorphological multi-temporal analysis: study of the recent evolution of some Mediterranean coastal areas

AM

PM

**3:20 - 3:35 Break**

**3:35 - 4:24 Session #4 – Chairperson Gaia Mattei**

**3:35 Ivona Baniček** (I. Baniček, K. Bakrač, D. Brunović, O. Hasan, I. Razum, M. Šparica Miko, S. Miko) - Quaternary palynological investigation of the Kornati islands' climate change

**3:47 Hayley C. Cawthra** (H.C. Cawthra, Z. Jacobs, L. Wadley) - Winds of change: Marine Isotope Stage 4 conditions inferred from submerged aeolianites on the Durban Bluff continental shelf and climate data from Sibudu, South Africa

**4:00 Katharina Seeger** (K. Seeger, P.S.J. Minderhoud, D. Brill, R. Spohner, A. Vogel, H. Brückner, F. Kraas) - Why land elevation matters for flood risk assessment – The case of the Ayeyarwady Delta, Myanmar

**4:12 Sanja Faivre** (S. Faivre, T. Bakran-Petricioli, J. Barešić, D. Horvatić) - Relative sea-level change and palaeoearthquakes at Lopud island (Dubrovnik archipelago, Southern Adriatic, Croatia)

#### **Invited speakers**

**4:24 - 4:44 Pietro P.C. Aucelli** - Abrupt coastal changes as consequence of AD 79 Vesuvius eruption

**4:44 - 5:04 Angela Rizzo** - Coastal inundation scenarios in the Mediterranean areas: from the susceptibility to the risk assessment

**5:04 Discussion and Conclusion by Gaia Mattei**

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