



## 2021 TELEMAC User Conference

# PROGRAM TELEMAC conference

Time	Thursday October 14 <sup>th</sup> 2021
08:30 - 09:00	<b>Arrival &amp; Registration</b>
09:00 - 09:20	<b>Welcome by Jon Kemp, Operational Director at IMDC</b>
09:20 - 10:20	<b>NEWS from the TELEMAC Consortium</b>
10:20 - 11:00	<b>SESSION 1: VEGETATION</b>
10:20 - 10:40	<b>Influence of uncertainties of vegetation parameters in a 2D model</b> Presenter: Frederik Folke
10:40 - 11:00	<b>Biogeomorphic modeling to assess resilience of tidal marsh restoration to sea level rise and sediment supply</b> Presenter: Olivier Gourgue
11:00 - 11:30	<i>Coffee break</i>
11:30 - 12:50	<b>SESSION 2: HYDRODYNAMIC MODELLING</b>
11:30 - 11:50	<b>Implementing Effective Performance Turbine Model into TELEMAC-3D</b> Presenter: Julien Cousineau
11:50 - 12:10	<b>Passing ship effects on water surface elevations</b> Presenter: Juliette Parisi
12:10 - 12:30	<b>Recent improvements for the Berre lagoon modelling with TELEMAC-3D</b> Presenter: Elisabeth Justin or Chi-Tuân Pham
12:30 - 12:50	<b>Hydrodynamic modelling of the tide propagation in a tropical delta: overcoming the challenges of data scarcity</b> Presenter: Ignace Pelckmans
12:50 - 14:20	<i>Lunch break</i>
14:20 - 15:40	<b>SESSION 3: SEDIMENT I</b>
14:20 - 14:40	<b>Innovative 3D Hydrosedimentary modelling of migrating inlets</b> Presenter: Thibault Oudart
14:40 - 15:00	<b>Sediment transport modelling (TELEMAC-3D + GAIA) case study: sand disposals in the Western Scheldt</b> Presenter: Thom Wolf
15:00 - 15:20	<b>Simulation of embayment lab experiments with TELEMAC-2D/GAIA</b> Presenter: Rebekka Kopmann
15:20 - 15:40	<b>Modelling the impacts of Hurricane Ike on the Texas coast using a fully coupled TELEMAC-TOMAWAC-SISYPHE model</b> Presenter: Connor McCarron
15:40 - 16:20	<i>Coffee break</i>

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16:20 - 17:40	<b>SESSION 4: COASTAL AND OCEAN MODELLING</b>
16:20 - 16:40	<b>Implementation of Overtopping Discharges in a 2D Coastal Flood Model of the Mont Saint-Michel Bay</b> Presenter: Jean-Baptiste Saulnier
16:40 - 17:00	<b>Wave overtopping and overflow hazards: application on the Camargue sea-dike</b> Presenter: Thomas Paul
17:00 - 17:20	<b>Modeling the world oceans with TELEMAC</b> Presenter: Thomas Saillour
17:20 - 17:40	<b>Metocean regional models using TELEMAC</b> Presenter: Giovanni Cozzuto
19:30 - 23:00	<b>Dinner</b>



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Time	Friday October 15th 2021
09:00 - 10:20	<b>SESSION 5: HYDRODYNAMICS AND HYDROLOGY</b>
09:00 - 09:20	<b>Validation and Improvement of Data Assimilation for Flood Hydrodynamic Modelling Using SAR Imagery Data</b> Presenter: Thanh Huy Nguyen
09:20 - 09:40	<b>Simplified physically-based modelling of overtopping induced levee breaching with TELEMAC-2D</b> Presenter: Lydia Kheloui
09:40 - 10:00	<b>Determination of initial soil moisture for a small highly erodible mountain basin with TELEMAC</b> Presenter: Cecile Delcourt
10:00 - 10:20	<b>Two and three-dimensional numerical modelling of flow patterns in shallow rectangular reservoirs</b> Presenter: El Mehdi Chagdali
10:20 - 10:50	<i>Coffee Break</i>
10:50 - 12:30	<b>SESSION 6: SEDIMENT II AND NUMERICAL METHODS</b>
10:50 - 11:10	<b>3D Modelling for the Dispersion of Sediments Dredged in the Port of La Rochelle with Open TELEMAC-MASCARET</b> Presenter: Jean-Baptiste Saulnier
11:10 - 11:30	<b>Cross-shore processes implementation in GAIA</b> Presenter: Efstratios Fonias
11:30 - 11:50	<b>A dynamic 2DH flocculation implementation for improving sediment settling velocities and suspension dynamics modelling</b> Presenter: Sebastian Escobar
11:50 - 12:10	<b>Speeding up TOMAWAC by means of improved numerical methods</b> Presenter: Alexander Breugem
12:10 - 12:30	<b>A Lossy Compression Experiment of Telemac Data</b> Presenter: Fabrice Zaoui
12:30 - 14:00	<i>Lunch break</i>

Time	Friday October 15th 2021
14:00 - 15:00	<b>SESSION 7: WATER QUALITY</b>
14:00 - 14:20	<b>A Hydrodynamic Model of the West Coast of Scotland with Coupled Sea Lice Dispersion</b> Presenter: Tom Scanlon
14:20 - 14:40	<b>Aquatic ecological modelling with TELEMAC3D: performance of the ecological library AED2 in a natural ecosystem</b> Presenter: Francesco Piccioni
14:40 - 15:00	<b>Hydrodynamic modelling for early warning of sanitary risks in open swimming waters</b> Presenter: Natalia Angelotti
15:00-15:10	<b>Closing</b>
15:00 - 15:30	<i>Coffee break</i>