

4TH INTERNATIONAL CONFERENCE WOOD IN WORLD RIVERS 2019

January 7-11, 2019 | Valdivia-Chile



Program of Oral and Poster presentations

January Tuesday 8, 2019	
08:00 – 09:00	Registration
09:00 – 09:15	Welcome: Ellen Wohl, Andrés Iroumé
09:15 – 10:00	Conference Introductory Talk Fred Swanson. Wood in World Rivers: A 45-Year View.
10:00 – 13:00	Topics 1-2 Ecological influences /wood and large disturbances
10:00 – 10:30	Keynote speaker Luca Mao. Large disturbances and wood in gravel-bed rivers.
10:30 – 10:50	Christopher Clark. Effects of wood placement on fish, habitat, and in-stream temperatures in the interior Columbia River basin, U.S.A.
10:50 – 11:10	Gary Lamberti. Ecosystem responses to large wood addition in three headwater streams of Michigan, USA.
11:10 – 11:30	Martin Thoms. The non-effect of restoring a large river using large wood: the Darling River, Australia.
11:30 – 12:00	Coffee break
12:00 – 12:20	Eduardo Jaramillo. The response of aquatic fauna to environmental changes and large natural disturbance in Chilean streams.
12:20 – 12:40	Nathalie Kramer. Ranchers and Scientists Helping Rodents Mitigate Drought: The Story of Bringing Beaver Back to Birch Creek
12:40 – 13:00	Alejandro Dussailant. Outburst flood cycle effects on braided river morphology and floodplain vegetation, Chilean Patagonia.
13:00 – 14:30	Lunch
14:30 – 14:50	Andrew Russell. Lahar-wood interactions during the April 2015 Calbuco Eruption, Chile.
14:50 – 15:10	Justin Stout. The role of large in-stream wood in river channel avulsions.
15:10 – 18:20	Topic 3 Wood dynamics in rivers
15:10 – 15:40	Keynote speaker Virginia Ruiz-Villanueva. From the forest to the stream: the extraordinary trip of wood in rivers.
15:40 – 16:00	Anne Senter. Wood export prediction at the watershed scale.
16:00 – 16:20	Walter Bertoldi. Large wood dispersion in complex braided morphologies: insights from physical and numerical modelling.
16:20 – 16:50	Coffee break and Poster session
16:50 – 17:10	Thomas Buffin-Bélanger. Interannual evolution of large wood jams in three rivers of eastern Québec.
17:10 – 17:30	Andrew Russell. Geomorphological impacts of large woody debris during the 2009 and 2015 floods, River Derwent, Cumbria, UK.
17:30 – 17:50	Ellen Wohl. Wood process domains on floodplains.
17:50 – 18:10	Emmanuel Mignot. Theoretical and experimental study of 1D and 2D floating wood dynamics in a laboratory flume.

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January Wednesday 9, 2019	
09:00 – 13:00	Topic 3 Wood dynamics in rivers
09:00 – 09:20	Lorenzo Innocenti. Wood dynamics in curved rivers: observations from flume experiments.
09:20 – 09:40	Annie Ockelford. Morphodynamic and ecohydraulic response of different engineered log jam configurations in response to changes in discharge.
09:40 – 10:00	Nicolas Steeb. GIS modelling of large wood recruitment.
10:00 – 10:20	Nuosha Zhang. The effect of large instream logs on bank erosion: field experiments.
10:20 – 11:00	Coffee break and Poster session
11:00 – 11:20	Hervé Piégay. Video-monitoring of wood flux: recent advances and next steps.
11:20 – 11:40	Lorenzo Picco. Large Wood abundance: fluctuation along a gravel bed river affected by volcanic eruption. Increasing the understanding of recruitment and factors affecting the LW availability
11:40 – 12:00	Ian Rutherford. The death-cycle of large instream wood: a geomorphic perspective.
12:00 – 12:20	David J. Brandowski. Large wood National Manual.
12:20 – 12:40	Wes Smith. Large Wood Dynamics and Management on the Trinity River, California, USA
13:00 – 14:30	Lunch
14:30 – 17:50	Topic 4 Management of wood in rivers
14:30 – 15:00	Keynote speaker Tim Beechie. Managing Wood in Rivers: Challenges and Opportunities.
15:00 – 15:20	Will Conley. Context, assessment, and mitigation of fluvial wood hazards with respect to recreational boater safety.
15:20 – 15:40	Douglas M. Thompson. PIT-tagged particle study of bed mobility associated with large-wood additions on the Narraguagus River, Maine.
15:40 – 16:00	Stan Gregory. 30-Year analysis of a wood restoration project in Quartz Creek, Oregon, USA.
16:00 – 16:30	Coffee break and Poster session
16:30 – 16:50	Patrick Shirey. Stream restoration with large wood at risk under drainage laws in the U.S.
16:50 – 17:10	Isabella Schalko. Inclined large wood retention racks: scour and backwater rise.
17:10 – 17:30	Chloé Mauterle. Manager's perception of wood in urban rivers, a comparative approach
17:30 – 18:15	Final remarks (Ellen Wohl)

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Posters

1	Héctor Ulloa. The role of large wood in the evolution of vegetation regeneration in the Rayas river after the 2008 Chaiten volcanic eruption.
2	Fernando Ugalde. The ecomorphological effects of in-channel large wood on resident fishes in headwater streams of central Chile.
3	Anna Astorga. Wood in Patagonian temperate forested headwaters: forest-stream interactions and land use legacy effects.
4	Derek J. Martin. Large wood characteristics in the North Fork River watershed following a catastrophic flood event in the Missouri Ozarks, USA.
5	Andrés Iroumé. LW abundance and dynamics in two rivers affected by volcanic eruptions; same disturbance but different input sources.
6	Daniel Sanhueza. Using UAV and structure from motion to study large wood dynamics in a highly disturbed reach of the Blanco-Este river (Calbuco, Chile).
7	Roby Ventres-Pake. Hydraulic modeling of large wood jams: evaluating a porous plate modeling method.
8	Walter Bertoldi. Large wood control on island evolution: a case study from the Tagliamento River (Italy).
9	Elisabetta Persi. Numerical modelling of wood transport: potential, limitations and required data.
10	Elisabetta Persi. Calibration of an Eulerian model for Large Wood motion.
11	Diego Ravazzolo. The role of large wood and vegetation on channel evolution.
12	Diego Ravazzolo. Large wood-laden flow event in the Pocuro stream (Central Chile).
13	Sarah O. Saraiva. Wood in open biomes: the riparian forest is the mainly source of wood for streams of the Brazilian Cerrado.
14	Tomáš Galia. Controls of log step occurrence in Carpathian managed forests and their effect on in-channel sediment storage.
15	Nuosha Zhang. The effect of large instream logs on bank erosion: flume experiments.
16	David Alvarado. Using Ground Penetration Radar (GPR) and Refraction Microtremor (ReMi) Geophysical Techniques for Sedimentary Identification in Volcanic Rivers with LW: The Case of Blanco River in Chaitén, Chile.
17	Bruno Mazzorana. How does Large Wood affect distributary processes on an alluvial fan? Preliminary insights from an experimental study.
18	Maxime Boivin. Estimation of error margin in the quantification of large wood volume in river.