

Water: Grand Challenges for Molecular Science and Engineering

Organizers: Marivi Fernandez-Serra

Location: Telluride Intermediate School, 725 W Colorado Ave, Telluride, CO 81435



Telluride Science Research Center

	Monday (7/12)	Tuesday (7/13)	Wednesday (7/14)	Thursday (7/15)	Friday (7/16)	Saturday (7/17)
8:30-9:00	In-person attendees arrive	M. Fernandez-Serra	M. Kumar	M. Bonn	J. Cabral	Y. Ding
9:00-9:45		M. Elimelech	L. Bocquet	E. Artacho	E. Crumlin	S. Darling
9:45-10:15		BREAK	BREAK	BREAK	BREAK	BREAK
10:15-11:00		V. Molinero	A. Tokmakoff	A. Hassanali	B. Hsiao	C. Stafford
11:00-11:45		P. Ordejon	D. Miller	K. Dill	B. Phillip	Wrap-up Discussion
11:45-12:30			A. Noy	S. Roke		

Afternoon	FREE	FREE	FREE	FREE	FREE	Workshop End
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5:30-6:30 Meet & Greet Phoenix Bean	6:30-7:30 Town Talk Telluride Transfer Warehouse	5:30-7:30 TSRC Picnic Telluride Intermediate School	In-person attendees depart
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Evening	FREE	FREE	FREE	FREE	FREE
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B. Hsiao	"Structure Studies of Aromatic Polyamide Selective Layers in Reverse Osmosis Membranes"
K. Dill	"Rocketwater: Towards New, Faster Computational Models of Water"
S. Darling	"Membrane Innovations for Resilient and Selective Separations"
L. Bocquet	"Water Flows in Carbon Nanochannels: From Quantum Friction to Carbon Memories"
M. Elimelech	"Selective Ion Transport in Membranes with Sub-Nanometer Pores"
E. Crumlin	"Using APXPS to Probe the Solid/Gas and Solid/Liquid Interface under <i>in situ</i> and <i>operando</i> Conditions"
M. Kumar	"Recreating Molecular Paradigms for Biological Water Transport"
A. Hassanali	"Fundamental Aspects of Soap Films in Artificial Photosynthesis"
P. Ordejon	"Addressing electrified metal-electrolyte interfaces with Non-Equilibrium Green's Functions"
D. Miller	"Membrane Fouling: Laboratory Experiments to Predictive Models"