



# Water Anomalies Origin and Implications

**10–12 Jun 2026**  
**Stockholm**

**Location:**

Albano Building 2, Lecture room 17, Stockholm University, Albano campus,  
Norra Djurgården, Albanovägen 20, 114 19 Stockholm [Go to map](#)

Wednesday June 10, 2026

<b>8:30</b>	Registration	
<b>09:00</b>	<b>F. Perakis, A. Nilsson</b>	Welcome, Opening remarks
<b>09:15</b>	<b>F. Sciortino</b>	Plenary talk: Overview and some recent results
<b>10:00</b>	<b>P. Gallo</b>	Water and "The Others"
<b>10:30</b>	Coffee break	
<b>11:00</b>	<b>M. Havenith</b>	Caught in the act: Time resolved THz spectroscopy puts the spotlight on the role of the solvent into photochemical reactions
<b>11:30</b>	<b>F. Paesani</b>	A Data-Driven Many-Body Perspective on Aqueous Systems Across Phases
<b>12:00</b>	Lunch break	(Proviant Albano, hus 2)
<b>13:30</b>	<b>M. Anisimov</b>	Interconversion of two states: generic description of fluid polyamorphism
<b>14:00</b>	<b>G. Kontogeorgis</b>	Water thermodynamics - from a (chemical) engineering point of view
<b>14:30</b>	<b>C. Vega</b>	Simulating electrolytes with simple models
<b>15:00</b>	Coffee Break	
<b>15:30</b>	<b>L. Pettersson</b>	Searching for LDL templates in water
<b>16:00</b>	<b>S. Xantheas</b>	Liquid water is markedly different than liquid H <sub>2</sub> X (X = S, Se, Te)
<b>16:30</b>	<b>R. Signorell</b>	Chemistry in aqueous droplets
<b>17:30</b>	Welcome reception and poster session (Proviant Albano, hus 2)	

Thursday June 11, 2026

<b>09:00</b>	<b>P. Debenedetti</b>	Computational Studies of Water Glasses
<b>09:30</b>	<b>N. Giovambattista</b>	Nuclear Quantum Effects in Water and Biomolecules
<b>10:00</b>	<b>N. E. Levinger</b>	The trouble with water. Exploring how cryoprotecting agents mitigate effects of low temperature on plant cells and tissue
<b>10:30</b>	Coffee break	
<b>11:00</b>	<b>K. H. Kim</b>	Unveiling the Origin of Water's Anomalous Properties with X-ray Lasers
<b>11:30</b>	<b>S. Saito</b>	Microscopic Origins of Water Anomalies to Dynamic Slowdown
<b>12:00</b>	Lunch break	(Proviant Albano, hus 2)
<b>13:30</b>	<b>G. Kimmel</b>	Dynamics in supercooled water
<b>14:00</b>	<b>A. Hassanali</b>	Glassy Arrest in Supercooled Water
<b>14:30</b>	<b>K. Amann-Winkel</b>	X-ray scattering on amorphous ices: key to water's hidden states
<b>15:00</b>	<b>S. Sastry</b>	Out-of-Equilibrium Potential Energy Landscape Equation of State of Shear-driven Amorphous Ice
<b>15:30</b>	Coffee break	
<b>16:00</b>	<b>E. Backus</b>	Temperature-dependent vibrational energy relaxation at the air–water interface
<b>16:30</b>	<b>M. Bonn</b>	Confined and Interfacial Water: Insights from Surface Vibrational Spectroscopy
<b>17:00</b>	<b>M. Beye</b>	Non-linear X-ray approaches
<b>17:30</b>	<b>V. Kocherbitov</b>	Coupling between structural evolution and glass transition in supercooled water

Friday June 12, 2026

<b>09:00</b>	<b>P. Poole</b>	Liquid-Liquid Phase Transition in Simulated Supercooled Water Nanodroplets
<b>09:30</b>	<b>B. Wyslouzil</b>	Freezing nanodroplets: Probing water's phase transitions under extreme conditions
<b>10:00</b>	<b>P. Singh</b>	The interfacial molecular structure and electrostatics of nanodroplets
<b>10:30</b>	Coffee break	
<b>11:00</b>	<b>J. Sellberg</b>	Fluctuation x-ray scattering of micron-sized water droplets
<b>11:30</b>	<b>Y. Harada</b>	Size and Charge Characteristics of Pure-Water Nanodroplets Generated by Collision Nebulization
<b>12:00</b>	Lunch break	(Proviant Albano, hus 2)
<b>13:30</b>	<b>L. Bove</b>	How plastic water is?
<b>14:00</b>	<b>H. Tanaka</b>	Origin of Water's Surface-Tension Anomaly and Surface-Induced Crystallization
<b>14:30</b>	<b>L. Xu</b>	Ice Crystallization and premelting in low dimensions: an atomic-scale view
<b>15:00</b>	<b>C. Salzmann</b>	Heterogeneous Nucleation and Interfacial Water Structure: From Atmospheric Microplastics to Heat-Battery Materials
<b>16:00</b>	<p>Excursion and Dinner at Fjäderholmarna                      Restaurant: Fjäderholmarnas Krog                      Address: Stora Fjäderholmen, 100 05 Stockholm</p> <p>17:30 The boat departs from Nybroviken                      (Boat operator: Strömma Address: Strandvägen – Pier Area 13)</p> <p>18:00 Welcome drink (one glass of sparkling wine will be served upon arrival)</p> <p>18:20 Dinner is served with 2 glasses of wine</p> <p>21:00 Boat back to Nybroviken</p>	