



Berliner Physikalisches Kolloquium

im Magnus-Haus, Am Kupfergraben 7, 10117 Berlin

Eine gemeinsame Veranstaltung der Physikalischen Gesellschaft zu Berlin e. V.,
Regionalverband Berlin/Brandenburg der Deutschen Physikalischen Gesellschaft e. V.,
der Freien Universität Berlin, der Humboldt-Universität zu Berlin,
der Technischen Universität Berlin und der Universität Potsdam
– gefördert durch die Wilhelm und Else Heraeus-Stiftung –

Am Donnerstag, dem **7. Juli 2022**, um **18:30 Uhr**

spricht

Prof. Dr. Mischa Bonn

**Direktor, Arbeitskreis Molekulare Spektroskopie,
Max-Planck-Institut für Polymerforschung, Mainz**

über das Thema

„A molecular view of the water interface“

Moderation: Roland Netz, Freie Universität Berlin

Water surfaces and interfaces are ubiquitous, not just in nature, but also in many technological applications. Water is a rather unique liquid, owing to its strong intermolecular interactions: strong hydrogen bonds hold water molecules together. At the surface of water, the water hydrogen-bonded network is abruptly interrupted, conferring distinct properties on the interface, compared to bulk.

I will present some challenges (“how can we study the about one monolayer of water molecules that is in direct contact with the other phase, and distinguish this about Ångström-thin layer from the bulk?; Can the interface be described as a modified dielectric continuum, or do we need to consider its molecular structure?”) and progress in the study of interfacial water.