

2025

- 16.12.2025
360 Pacifichem 2025, Symposium "Isolation of transient species in superfluid helium droplets", Honolulu, Hawaii, USA
On the nature of hydrogen bonding in the H₂S dimer
- 16.12.2025
359 Pacifichem 2025, Symposium "Biomolecules at interfaces defining the cellular environment: From conformational dynamics to informatic approaches"
Honolulu, Hawaii, USA
Liquid-liquid phase separation – Ask the water!
- 11.12.2025
358 Department of Chemistry Colloquium, University of Illinois, IL, USA
Liquid-liquid phase separation – Ask the water!
- 10.12.2025
357 Department of Chemistry Colloquium, Northwestern University, IL, USA
Putting the spotlight on water in protein condensation
- 04.12.2025
356 Interfacial H₂O: Shaping the Electric Double Layer
Lorentz Center, Leiden, Netherlands
Observation of the reshaping of the electric double layer at electrified interfaces
- 18.11.2025
355 From Molecular Beams to Nanomedicine: A Tribute to the Scientific Journey of Giacinto Scoles, International Centre for Theoretical Physics (ICTP), Trieste, Italy
Liquid-liquid phase separation – Ask the water!
- 16.09.2025
354 26th International Conference on Horizons in Hydrogen Bond Research
Deutsches Elektronen-Synchrotron DESY, Hamburg
To be or not to be hydrogen bonded: Supercritical water and (H₂S)₂
- 03.09.2025
353 HT-DYNA Workshop – Structural Dynamics of Elementary Proton Transport Processes
Charité Crossover (CCO) Auditorium, Charité Berlin-Mitte, Berlin
Caught in the act: Optical pump THz probe allows real-time observation of the solvent response subsequent to photoexcitation
- 21.08.2025
352 50th International Conference on Infrared, Millimeter, and THz waves
(IRMMW-THz 2025), Aalto University, Espoo, Finland
THz spectroscopy spotlights the role of water in biological processes
- 19.07.2025
351 IUPAB/ABA Biophysics Satellite 2025
(International Union for Pure and Applied Biophysics)
Kuala Lumpur Convention Centre, Malaysia
Announcing the Oscar for best supporting actor: Water!
- 15.07.2025
350 IUPAC 2025 – 50th World Chemistry Congress "Chemistry for Sustainable Future"
(International Union of Pure and Applied Chemistry)
Kuala Lumpur Convention Centre, Malaysia
Putting the solvent in the spotlight
- 23.06.2025
349 16th Femtochemistry Conference (FEMTO 16) "Dynamics of Complex Molecular Processes in Chemistry, Biology, and Physics", Savoia Hotel, Trieste, Italy
Caught in the act: Optical pump THz probe allows real-time observation of the solvent response subsequent to photoexcitation

- 16.06.2025 Conference "Aqueous Systems: The Frontier and Beyond"
348 Grecotel Filoxenia, Kalamata, Greece
THz calorimetry probing the H-bonds in aqueous systems
- 12.05.2025 Faculty of Chemistry Colloquium, University of Vienna, Austria
347 *Caught in the act: Time-resolved THz spectroscopy puts the spotlight on the role of the solvent into photochemical reactions*
- 25.04.2025 Department of Chemical Engineering Colloquium, UC Santa Barbara, CA, USA
346 *Liquid–liquid phase separation? Ask the water!*
- 17.04.2025 Enrico Fermi Colloquium
345 European Laboratory for Non-Linear Spectroscopy (LENS), Firenze, Italy
Probing free energy in biological and chemical reactions by THz spectroscopy – Ask the water!
- 07.04.2025 Bioelectrodynamics Webinar (virtual talk)
344 hosted by Institute of Photonics and Electronics, Czech Academy of Sciences
Probing free energy in reactions by THz spectroscopy – Ask the water!
- 26.03.2025 ACS Spring National Meeting - Reactivity in Microdroplets
343 San Diego Convention Center, San Diego, CA, USA
Tuning chemistry at electrified interfaces
- 05.03.2025 2025 Women in Photochemistry Symposium
342 University College London, UK
A journey into solvation science and "excited" states
- 21.02.2025 Spectroscopy and Dynamics of Molecules and Clusters (SDMC-2025)
341 Mussoorie, Uttarakhand, India
On the nature of hydrogen bonding in the H₂S dimer
- 09.01.2025 GDCH Vortrag, KIT, Karlsruhe
340 *Probing free energy in reactions by THz spectroscopy – Ask the water!*

2024

- 19.11.2024 International Conference on Optics Within Life Sciences (OWLS-17)
339 Indian Institute of Technology Bombay (IIT Bombay), Powai, Mumbai, India
Probing free energy in reactions by THz spectroscopy – Ask the water!
- 14.09.2024 133rd Assembly of the Society of German Natural Scientists and Physicians (GDNÄ)
338 (Gesellschaft Deutscher Naturforscher und Ärzte), University of Potsdam
Der Oscar für den besten Nebendarsteller geht an: Wasser
- 06.08.2024 GRC "Vibrational Spectroscopy"
337 Gordon Research Conference, Bryant University, Smithfield, RI, USA
Intermolecular vibrational spectroscopy meets calorimetry: Watching the solvent in action
- 05.07.2024 6th Italian Soft Days Conference, University of Florence, Italy
336 *Probing free energy in reactions by THz spectroscopy – Ask the water!*
- 02.07.2024 Molecular Biophysics Workshop (plenary talk)

- 335 Laboratoire Charles Coulomb, University of Montpellier, France
Probing free energy in reactions by THz spectroscopy – Ask the water!
- 24.06.2024 15th International Conference on Quantum Fluid Clusters
 334 Aarhus Institute of Advanced Studies (AIAS), Aarhus University, Denmark
Hydrogen bonding in the H₂S dimer: New insights from experiment and theory
- 27.05.2024 WaterX International Workshop (plenary talk)
 333 Circolo Ufficiali della Marina, La Maddalena, Sardinia, Italy
THz Calorimetry: A conceptional framework for a molecular understanding of solvation entropy and enthalpy

2023

- 30.11.2023 Nevada Distinguished Physical Chemistry Lectures
 332 Knowledge Center Wells Fargo Auditorium, University of Nevada, Reno, NV, USA
Announcing the Oscar for Best Supporting Actor: Water
- 29.11.2023 Nevada Distinguished Physical Chemistry Lectures
 331 Department of Chemistry, University of Nevada, Reno, NV, USA
Probing free energy in reactions by THz spectroscopy – Ask the water!
- 10.11.2023 Nanofluidic Seminar (virtual talk), hosted by Center for Enhanced Nanofluidic
 330 Transport (CENT), Cambridge, MA, USA
Probing the solvent-free energy in reactions by THz calorimetry
- 26.10.2023 CiM-IMPRS Interdisciplinary Graduate School Meeting – Cells in Action
 329 Max Planck Institute for Molecular Biomedicine, Münster
Liquid–liquid phase separation? Ask the water!
- 13.08.2023 266th ACS National Meeting "Electrocatalysis for Sustainable Energy: Fundamental,
 328 Applications, & Perspective", San Francisco, CA, USA
Stripping away ion hydration shells in electrical double layer formation: Water networks matter
- 10.08.2023 Symposium on Advances in Photochemistry
 327 London Institute for Advanced Light Technologies, Imperial College London, UK
Caught in the act: Optical Pump THz probe allows real-time observation of the solvent response subsequent to photoexcitation
- 01.08.2023 GRC "Structural, Dynamic and Reactive Properties in the Liquid Phase"
 326 Gordon Research Conference, Holderness, NH, USA
THz spectroscopy provides a conceptional framework for a molecular understanding of solvation enthalpy and entropy
- 26.07.2023 4th Aqueous Supramolecular Chemistry Workshop, Bozeman, MT, USA
 325 *Probing free energy in reactions by THz spectroscopy – Ask the water!*
- 26.06.2023 TSRC Workshop "Water Structure, Dynamics and Thermodynamics in Biology"
 324 Telluride Science Research Center (TSRC), Telluride, CO, USA
Liquid–liquid phase separation? Ask the water!
- 06.03.2023 Physics Colloquium, Department of Physics, ETH Zurich, Switzerland
 323 *Probing free energy in reactions by THz spectroscopy - Ask the water*

28.02.2023 Symposium on Size Selected Clusters (S³C 2023), Sunstar Hotel Davos, Switzerland
322 *Water solvation, step by step*

02.02.2023 Physics Colloquium, Institute of Physics, University of Kassel
321 *It is water what matters!*

2022

24.11.2022 SPO 2022 – 23rd International Young Scientists Conference Optics and High
320 Technology Material Science (virtual plenary talk), hosted by Faculty of Physics, Taras
Shevchenko National University of Kyiv, Ukraine
Terahertz technology at the frontier of Chemistry

16.09.2022 Annual Meeting: Molecular Liquids at Interfaces
319 European/Japanese Molecular Liquids Group (EMLG/JMLG), Barcelona, Spain
The stressed solvent: THz calorimetry probing the solvent in action

05.09.2022 BDS2022 – 11th Conference on Broadband Dielectric Spectroscopy and its
318 Applications, Donostia - San Sebastian, Spain
Probing local solvation dynamics

11.08.2022 GRC "Frontiers in Size-Selected Cluster Research: Structure, Reactivity and Dynamics"
317 Gordon Research Conference, Renaissance Tuscany Il Ciocco, Lucca (Barga), Italy
Low frequency spectra of water clusters, one by one

06.07.2022 German Chemical Society (GDCh) Colloquium
316 Department of Chemical Biology, University of Marburg
It is water what matters!

28.06.2022 TSRC Workshop "Hydrophobicity: From Theory, to Simulation, to Experiment"
315 Telluride Science Research Center (TSRC), Telluride, CO, USA
*Spectroscopic fingerprints of cavity formation and solute insertion as a measure of
hydration entropic loss and enthalpic gain*

17.06.2022 CECAM Workshop "Challenges of molecular spectroscopy: Theory meets experiment"
314 Lausanne, Switzerland
Tunneling in hydrogen bonded clusters: The more excited - the easier?

30.05.2022 SolvATE Meeting of French Research Group on Solvation, Paris, France
313 *The stressed solvent: THz calorimetry probing the solvent in action*

17.05.2022 XXth International Workshop on Quantum Atomic and Molecular Tunneling Systems
312 (QAMTS), Canmore, Alberta, Canada
Tunneling in hydrogen bonded clusters: The more excited - the easier?

2021

17.12.2021 Pacifichem 2021, Symposium "Advances in Hydrogen Bond Research" (virtual talk)
311 hosted by The Chemical Society of Japan (CSJ), Honolulu, Hawaii, USA
Ultracold chemistry under stardust conditions

16.12.2021 Pacifichem 2021, Symposium "Biomolecules at Interfaces Defining the Cellular

- 310 Environment" (virtual talk), hosted by The Chemical Society of Japan (CSJ), Honolulu, Hawaii, USA
Local mutations can serve as a game changer for global protein solvent interaction
- 23.08.2021 11th International Conference on Advanced Vibrational Spectroscopy (ICAVS 11)
309 (virtual talk), hosted by Targi w Krakowie Ltd., Krakow, Poland
An isolated water droplet in the aqueous solution of a supramolecular tetrahedral cage as observed by THz spectroscopy
- 20.08.2021 IUPAC/CCCE Symposium Hydrophobic Effects and Water-Mediated Self-Assembly
308 (virtual talk), hosted by Chemical Institute of Canada, Montreal, Canada
Wrapping up hydrophobic hydration – Locality matters
- 12.07.2021 Protein Dynamics Workshop (virtual talk)
307 hosted by Telluride Science Research Center (TSRC), Telluride, CO, USA
The key role of solvent in condensation: Mapping hydration water in liquid-liquid phase-separated FUS
- 28.06.2021 Water Structure, Dynamics and Thermodynamics in Biology (virtual talk)
306 hosted by Telluride Science Research Center (TSRC), Telluride, CO, USA
The key role of solvent in condensation and host-guest interaction under nanoconfinement
- 25.06.2021 Seminar Journée IP2CT2021 (virtual talk)
305 hosted by Institut Parisien de Chimie Physique et Théorique (IP2CT), Paris, France
Spectroscopy in superfluid helium nanodroplets: "A cool topic"
- 22.06.2021 Conference on Lasers and Electro-Optics Europe (CLEO/Europe) and the European
304 Quantum Electronics Conference (EQEC) 2021 (virtual talk)
hosted by The Optical Society (OSA), Munich
Nonlinear THz spectroscopy to study the solvent dynamics in water
- 29.03.2021 Seminar Department of Physics, Freie Universität Berlin (virtual talk)
303 hosted by AG Theoretical Bio- and Soft Matter Physics, FU Berlin
Proton conduction probed with THz spectroscopy
- 25.03.2021 DESY CMWS (Centre for Molecular Water Science) Days 2021 (virtual talk)
302 hosted by Deutsches Elektronen-Synchrotron DESY, Hamburg
It is water what matters

2016-2020

- 18.11.2020 Training Event for the Fellows of the Innovative Training Network PROTON
301 (virtual talk), hosted by Universität Linz, Austria
Watching the solvent quake – Optical pump THz probe spectroscopy in liquid phase
- 11.11.2020 45th International Conference on Infrared, Millimeter, and Terahertz Waves,
300 IRMMW-THz 2020 (virtual talk), hosted from Buffalo, New York, USA
Caught in the act: Excited-state proton transfer to the solvent followed in real time by non-linear THz spectroscopy
- 30.10.2020 Chemistry and Biochemistry Departmental Colloquium at UCSB (virtual talk)
299 hosted from Santa Barbara, CA, USA

It is water what matters

- 18.08.2020 ACS Symposium "Biophysical Chemistry in Complex Environments" (virtual talk)
298 hosted from San Francisco, CA, USA
Mapping hydration water in liquid-liquid phase separated FUS by THz spectroscopy: The role of solvent thermodynamics in biomolecular condensation
- 25.02.2020 Physical Chemistry Seminar, Department of Chemistry, UC Berkeley, CA, USA
297 *It is water what matters – Change in hydrogen network dynamics in real time probed by linear and non-linear THz experiments*
- 17.01.2020 15th SOLEIL Users' Meeting, Paris, France
296 *THz measurements to study solvation under extreme conditions*
- 29.11.2019 Physikalisches Kolloquium, Universität Heidelberg
295 *Die unterschätzte Rolle des Wassers bei biologischen Prozessen - der THz Tanz des Wassers*
- 12.11.2019 The 12th Intl. Photonics and OptoElectronics Meetings, POEM 2019, Wuhan, China
294 *Observing the solvent quake by (non) linear THz spectroscopy*
- 30.07.2019 The 14th Femtochemistry Conference, FEMTO 14, Shanghai, China
293 *Studying solvation of photoexcited pyranine by non-linear THz spectroscopy*
- 18.06.2019 Workshop on Water structure, Dynamics and Thermodynamics in Biology
292 Telluride, CO, USA
Wrapping up hydrophobic hydration – locality matters
- 21.05.2019 WE-Heraeus Seminar Quantum Fluid Clusters 2019, Bad Honnef
291 *Acid solvations versus dissociation at "Stardust conditions": Reaction sequence Matters*
- 13.12.2018 Intl. Conference in Complex & Functional Materials (ICCFM 2018) Kolkata, India
290 *Studying solvation of photoexcited pyranine by non-linear THz spectroscopy*
- 18.09.2018 Biennial Meeting of the German Biophysical Society, Düsseldorf
289 *Water in biology*
- 13.09.2018 Keynote speaker at IRMMW-THz 2018, Nagoya, Japan
288 *Catching a glimpse of transient "ferroelectric" water and ultrafast solvent rearrangement by nonlinear THz spectroscopy*
- 04.09.2018 10th Intl. Meeting on Photodynamics and related aspects (IMPRA)
287 Cartagena, Colombia
Studying solvation dynamics of photo-excited solutes by non-linear THz spectroscopy
- 07.06.2018 9th Intl. Meeting on Atomic and Molecular Physics and Chemistry (IMAMPC-2018)
286 Helmholtz Zentrum Berlin
It is water what matters
- 17.05.2018 GDCh-Kolloquium Universität Tübingen
285 *It is water what matters*
- 20.04.2018 Kolloquium Universität Hamburg
284 *It is water what matters*
- 04.03.2018 Austin Symposium on Molecular Structure and Dynamics, Dallas, Texas, USA

283	<i>Stepwise Solvation at Ultracold Temperature</i>
04.10.2017	8 th Intl. THz-Bio Workshop, ENEA Frascati, Italy
282	<i>Water mapping by THz calorimetry or where spectroscopy meets calorimetry</i>
30.09.2017	Physikerinnentagung 2017, Ilmenau
281	<i>It is water – what matters</i>
31.07.2017	Workshop on Protein Dynamics, Telluride Science Research Center, CO, USA
280	<i>Water mapping by THz calorimetry</i>
28.06.2017	Workshop on Challenges in dissecting and understanding nuclear acid electrostatics Telluride Science Research Center, CO, USA
279	<i>Ion hydration as probed by THz spectroscopy</i>
03.05.2017	Kolloquium Helmholtz-Zentrum Dresden-Rossendorf
278	<i>It is water what matters: THz Spektroskopie – eine neue Methode zur Untersuchung von Solvationsprozessen</i>
24.02.2017	Joint meeting German and Czech Biophysicists, Kloster Hünfeld
277	<i>THz calorimetry in biophysics</i>
03.02.2017	Sonderkolloquium Rheinische Friedrich-Wilhelms-Universität Bonn
276	<i>"Völlig losgelöst"</i>
08.12.2016	Photonics 2016 (plenary talk), Kanpur, India
275	<i>It is water what matters: THz absorption spectroscopy as a new tool to study solvation dynamics</i>
01.12.2016	CECAM workshop Wien, Austria
274	<i>THz spectroscopy and Solvation Science</i>
22.11.2016	ISAS-Kolloquium Berlin
273	<i>THz spectroscopy and Solvation Science</i>
24.10.2016	Dortmunder Gambrinus Forum
272	<i>"Völlig losgelöst" Der THz-Tanz des Wassers</i>
28.10.2016	Reedijk Symposium 2016, Leiden, Netherlands
271	<i>Solvation Science – THz spectroscopy provides new answers to an old topic</i>
21.10.2016	24 th Solvay Conference in Chemistry, Solvay Institute Bruxelles, Belgium
270	<i>Water mapping in enzymatic catalysis by THz spectroscopy (THz calorimetry)</i>
03.10.2016	Workshop Bio THz Göteborg, Sweden
269	<i>It is water what matters – THz spectroscopy as a new tool to study biomolecular hydration</i>
02.08.2016	Gordon Research Conference, Holderness, NH, USA
268	<i>Introduction to THz calorimetry: Hydration of hydrophobic surfaces</i>
13.07.2016	Physikalisches Kolloquium, Universität Duisburg-Essen
267	<i>THz spectroscopy and THz calorimetry as a novel tool in solvation science</i>
14.06.2016	Colloquium, Universität Innsbruck, Austria
266	<i>It is water which matters: from Ion hydration to THz calorimetry</i>
28.04.2016	Kolloquium, ISAS Dortmund

- 265 *It is water what matters – THz spectroscopy as a new tool to study biomolecular hydration*
- 08.04.2016 FYSICA 2016, Radboud University, Nijmegen, Netherlands
- 264 *Transient THz spectroscopy probes large amplitude motions of proteins and collective low frequency protein/hydration modes*
- 04.04.2016 Workshop on Protein Dynamics TSRC Konferenz, Les Houches, France
- 263 *Transient THz spectroscopy probes large amplitude motions of proteins and collective low frequency protein/hydration modes*
- 14.03.2016 ACS 251st National Meeting, San Diego, CA, USA
- 262 *Transient THz spectroscopy probes large amplitude motions of proteins and collective low frequency protein/hydration modes*
- 10.03.2016 DPG Frühjahrstagung Regensburg
- 261 *It is water what matters: THz absorption spectroscopy as a new tool to study solvation dynamics*
- 06.03.2016 Austin Symposium, Dallas, TX, USA
- 260 *Transient THz spectroscopy probes large amplitude motions of proteins and collective low frequency protein/hydration modes*
- 20.01.2016 Kolloquium anlässlich des 80sten Geburtstags von Giacinto Scoles, ICTP Trieste, Italy
- 259 *It is water that matters: Spectroscopy probes solvation dynamics*
- 15.01.2016 Center of NanoScience (CeNS Kolloquium), LMU München
- 258 *It is water what matters – THz spectroscopy as a tool to study the role of water in biomolecular function*
- 11.01.2016 MUST Annual meeting, Engelberg, Switzerland
- 257 *1. Closing the THz gap: experimentally and theoretically*
- 256 *2. Application to solvation science: Ion hydration and biomolecular solvation*

2011-2015

- 19.12.2015 Pacifichem, Honolulu, HI, USA
- 255 *1. THz time domain studies of water entrapped in micelles*
- 254 *2. Microsolvation at 0.37 K: IR spectroscopic studies of aggregates in superfluid helium nanodroplets*
- 19.12.2015 Pacifichem, Honolulu, HI, USA
- 253 *It is water what matters: THz absorption spectroscopy as a powerful tool to study biomolecular hydration*
- 14.10.2015 iCOMET, Chengdu, China
- 252 *It is water what matters: THz-absorption spectroscopy as a new tool to study solvation dynamics*
- 29.09.2015 Intl. Symposium "Assessing the future of physical Chemistry", Berlin
- 251 *It is water what matters: The role of water in Enzymatic Catalysis*
- 26.08.2015 IRMMW-THz Conference, Hong Kong

- 250 *It is water what matters: THz-absorption spectroscopy as a new tool to study solvation dynamics*
- 06.08.2015 Protein Dynamics Conference, Telluride Science Research Center, CO, USA
249 *The hydrophobic collapse as probed by Kinetic THz absorption spectroscopy*
- 30.06.2015 GDCh Kolloquium, RWTH Aachen
248 *Exploring "Solvation Science" THz-spectroscopy as a tool to study solvation dynamics*
- 22.06.2015 Intl. Symposium on Molecular Spectroscopy (plenary talk), Urbana-Champaign, IL, USA
247 *It is water what matters: THz spectroscopy as a tool to study hydration dynamics*
- 18.05.2015 50 Jahre 50 Vorträge, Ruhr-Universität Bochum
246 *Es kommt auf das Lösungsmittel an*
- 15.05.2015 Women's Networking Lunch, Bunsentagung 2015, Bochum
245 *Why are we still few on the top? Dreams to be realized*
- 11.05.2015 Seminarvortrag, UC Berkeley, CA, USA
244 *It is water what matters: New insights by THz absorption spectroscopy into the role of water in biological function*
- 23.04.2015 GDCh Kolloquium, Karlsruhe
243 *It is water that matters: THz absorption studies as a tool to study biomolecular hydration*
- 16.04.2015 Tulip VI Summer School, Noordwijk, Netherlands
242 *Terahertz Sepctroscopy 2*
- 15.04.2015 Tulip VI Summer School, Noordwijk, Netherlands
241 *Terahertz Sepctroscopy 1*
- 24.03.2015 Seminarvortrag Elettra, Trieste, Italy
240 *It is water what matters: THz absorption spectroscopy as a new tool to study solvation dynamics*
- 20.02.2015 Spectroscopy and Dynamics of Molecules and Clusters (SDMC) 2015, Nainital, India
239 *Exploring solvation science – spectroscopy as a tool to study solvation dynamics*
- 17.02.2015 Colloquium Indian Institute of Technology, Bangalore, India
238 *It is water which matters: studying microsolvation by IR and THz spectroscopy*
- 12.01.2015 Kolloquium, SFB 1078, FU Berlin
237 *New insights into the role of water in biological function: Terahertz absorption spectroscopy studies of the solvation dynamics of biomolecules*
- 03.10.2014 Colloquium, UC Davies, CA, USA
236 *New insights into the role of water in biological function: Terahertz absorption spectroscopy studies of the solvation dynamics of biomolecules*
- 30.09.2014 Miller lunch talk, Berkeley, CA, USA
235 *It is water which matters: studying microsolvation by IR and THz spectroscopy*
- 23.09.2014 Seminarvortrag, UC Berkely, CA, USA
234 *Solvation – new answers to an old problem: Using THz spectroscopy to gain new insights into the role of water in biological function*

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- 11.09.2014 Specmo 2014, Marana Center, Corsica, France
233 *THz absorption spectroscopy a new tool to study solvation processes*
- 07.08.2014 Gordon Research Conference Vibrational Spectroscopy, Biddeford, ME, USA
232 *Rapid kinetic THz absorption spectroscopy: Following changes in the coupled protein-hydration dynamics in the real time*
- 10.07.2014 Workshop on Interfacial molecular and electronic structure and dynamics, Telluride
231 Science Research Center, CO, USA
- 02.07.2014 Laser Application and Life Sciences Conference, Ulm
230 *Some like it cool – THz absorption as a tool to study biomolecular hydration*
- 05.06.2014 Water 2014 workshop, Les Houches, France
229 *Some like it cool - THz absorption spectroscopy of antifreeze proteins*
- 19.05.2014 Workshop on Protein Dynamics TSRC Konferenz, Les Houches, France
228 *Some like it cool - THz absorption spectroscopy of antifreeze proteins*
- 25.04.2014 Lecture series, ETH Zürich, Switzerland
227 *Some like it cool – THz absorption spectroscopy of AFP*
- 25.04.2014 Lecture series, ETH Zürich, Switzerland
226 *THz vibrational signatures of hydrated ions*
- 24.04.2014 Kolloquium, Universität Bern, Switzerland
225 *It is water which matters: Observing the rattling modes of ions in the THz range*
- 22.04.2014 Lecture series, ETH Zürich, Switzerland
224 *Solvation – new answers to an old problem: THz spectroscopy as a new spectroscopic tool to probe hydration*
- 22.04.2014 Lecture series, ETH Zürich, Switzerland
223 *Introduction to the tools: Experimental and simulation*
- 03.04.2014 5th THz-Bio Workshop Seoul, Korea
222 *Observing the rattling modes of ions in the THz range*
- 02.04.2014 5th THz-Bio Workshop Seoul, Korea
221 *Introduction into THz spectroscopy as a tool to probe hydration dynamics*
- 25.03.2014 IMM Colloquium, Radboud University, Nijmegen, Netherlands
220 *It is water that matters. THz absorption studies – a new tool to study biomolecular hydration*
- 20.03.2014 Kolloquium, Universität Wien, Austria
219 *Some like it cool - the role of water in biological function*
- 14.03.2014 Workshop on Adsorption of ions at solid-electrolyte interfaces, Leiden
218 *Ion Solvation – new answers to an old problem*
- 22.01.2014 AirUCI Workshop, Laguna Beach, CA, USA
217 *Solvation - new insights by THz spectroscopy*
- 05.01.2014 RSC Spectroscopy and Dynamics Meeting, University of Oxford, UK
216 *Solvation - new answers to an old problem*
- 26.09.2013 Black Forest Focus Conference, Saig, Schwarzwald

215	<i>Some like it cool - THz absorption studies of anti-freeze proteins</i>
16.09.2013	20 th Intl. Conference on Horizons in Hydrogen Bond Research, Antwerp, Belgium
214	<i>Rock and roll at 0.35 K</i>
30.08.2013	23 rd Colloquium on High Resolution Molecular Spectroscopy, HRMS 2013, Budapest, Hungary
213	<i>Rock and roll at 0.37 K - high-resolution spectroscopy of microsolvated clusters</i>
06.08.2013	Protein Dynamics Workshop, Telluride Science Research Center, CO, USA
212	<i>Some like it cool - Anti Freeze Proteins</i>
26.07.2013	Workshop on Vibrational Dynamics, Telluride Science Research Center, CO, USA
211	<i>Solvation of anions and cations observed in the IR and the THz range</i>
19.06.2013	Oberseminar "Ultrakurzzeitspektroskopie", LMU München
210	<i>The role of water in biological processes</i>
19.06.2013	Quantum Fluid Clusters 2013, Regensburg
209	<i>Ultracold Chemistry Aggregation and Microsolvation at 0.37 K</i>
10.05.2013	Bunsentagung 2013, KIT, Karlsruhe
208	<i>The THz dance of water with bio-molecules</i>
02.05.2013	FELIX Kick-off Meeting, Radboud University Nijmegen, Netherlands
207	<i>Probing the role of water in biological processes by kinetic THz absorption spectroscopy (KITA)</i>
03.04.2013	OTST 2013, Kyoto, Japan
206	<i>The Terahertz vibrational signatures of hydrated ions</i>
01.04.2013	Tutorial, OTST 2013, Kyoto, Japan
205	<i>The THz dance of water with bio-molecules</i>
15.02.2013	4 th THz-Bio Workshop, Seoul, Korea
204	<i>Fast solvation dynamics detected by THz spectroscopy</i>
06.02.2013	Photonics West, SPIE Conference 2013, San Francisco, CA, USA
203	<i>Watching the dance of ions and molecules in the THz</i>
25.01.2013	Kolloquium, Radboud University Nijmegen, Netherlands
202	<i>From FIR to THz spectroscopy - from the gas phase to the liquid phase</i>
14.01.2013	Colloquium, Institute for Sciences and Technology (IST), Klosterneuburg, Austria
201	<i>Solvation – new answers to an old problem</i>
08.01.2013	Societas Emeritorium Emeritarumque, Ruhr-Universität Bochum
200	<i>Das Prinzip aller Dinge ist das Lösungsmittel</i>
19.12.2012	Winter School in Theoretical Chemistry 2012, Helsinki, Finland
199	<i>1. The THz dance of water - describing hydrogen network dynamics</i>
198	<i>2. The THz dance of water - experimental access to hydrogen network dynamics</i>
21.11.2012	Kolloquium, Fritz-Haber-Institut Berlin
197	<i>Water at interfaces - solvation of ions and proteins</i>
01.10.2012	Polydays 2012, Berlin
196	<i>THz spectroscopy: A novel experimental tool to study water network dynamics</i>

- 21.08.2012 244th ACS meeting, Philadelphia, PA, USA
195 *Watching the dance of water in the hydration shell of ions and biomolecules in the THz frequency range*
- 02.07.2012 GDCh Kolloquium, TU Berlin
194 *Der THz Tanz des Wassers mit den Biomolekülen*
- 30.05.2012 FOR 618 Symposium Bochum
193 *Rock and Roll at 0.35 K*
- 20.05.2012 German-Russian Conference on Fundamentals and Application of Nanoscience, Berlin
192 *Chemical imaging with nm resolution*
- 16.04.2012 GDCh Kolloquium TU Braunschweig
191 *Der THz Tanz des Wassers mit den Proteinen*
- 26.03.2012 ACS National Meeting, San Diego, CA, USA
190 *Correlated structural kinetics and retarded solvent dynamics at the metalloprotease active site*
- 15.03.2012 DPG Frühjahrstagung (Plenarvortrag), Stuttgart
189 *THz Spectroscopy: A novel experimental tool to study water network dynamics*
- 01.02.2012 Gordon Research Conference on Molecular & Ionic Clusters Ventura, CA, USA
188 *Rock and roll at 0.37 K - High resolution IR spectroscopy of ultracold molecular cluster*
- 08.01.2012 Meeting of the Excellence Cluster MUST – Lenk 2012, Switzerland
187 *Watching the THz dance of water in the hydration shells of ions and biomolecules*
- 05.12.2011 Hebrew University Jerusalem, Israel
186 *Watching the THz dance of water in the hydration shells of ions and biomolecules*
- 04.12.2011 Seminarvortrag - Clore-Biophysics series - Weizmann Institute, Rehovot, Israel
185 *THz spectroscopy: a novel tool to study water network dynamics*
- 30.11.2011 Workshop "Perspective in THz spectroscopy with neutrons" Helmholtz Zentrum Berlin
184 *What is the role of the solvent in biological function? A new THz look at an old question*
- 18.11.2011 DESY Photon Science Seminar, Hamburg
183 *Watching the dance of water in the hydration shell of ions and biomolecules in the THz frequency range*
- 08.11.2011 Colloquium, Yale University, New Haven, CT, USA
182 *What is the role of the solvent in biological function? A new THz look at an old question*
- 10.10.2011 ICTP-KFAS Conference on Nanotechnology for Biological and Biomedical Applications, Trieste, Italy
181 *The role of water in enzymatic reactions - THz spectroscopy as a tool to probe solvation dynamics*
- 01.08.2011 Gordon Research Conference on Biological Molecules in the Gas Phase & in Solution, Andover, NH, USA
180 *The THz dance of biomolecules in solution*

- 29.07.2011 Workshop on Vibrational Dynamics, Telluride Science Research Center, CO, USA
179 *Correlated structural kinetics and retarded solvent dynamics at the metalloprotease active site*
- 05.07.2011 Hydroprot 2011 Conference, Paris, France
178 *Watching the dance of ions and molecules in the THz*
- 15.06.2011 Physikalisch-Chemisches Kolloquium, LMU München
177 *Detecting the chemical fingerprint in soft matter: From DNA bio nanochips to the study of ion solvation*
- 07.06.2011 Vortrag im Rahmen der Chemischen Gesellschaft zu Heidelberg
176 *Ein neues Frequenzfenster öffnet sich: Vom THz Tanz des Wassers mit den Proteinen bis zum Rasseln des Ions mit seiner Hydrathülle*
- 07.06.2011 Conference on "Teaching is touching the future: from vision to practice", Ruhr-Universität Bochum
175 *Visionen lokal! Der internationale Masterstudiengang Molecular Sciences and Simulation*
- 31.05.2011 482. WE Heraeus-Seminar: Helium-Nanodroplets – Confinement for cold molecules and cold chemistry, Bad Honnef
174 *Rock and Roll at 0.37 K*
- 22.05.2011 Conference on Lasers and Electro-Optic Europe, München
173 *Watching the dance of ions and molecules in the THz*
- 30.04.2011 3rd Meeting "From the witches cauldrons in materials science", Goslar
172 *Mapping chemical surfaces by IR nanoscopy*
- 07.04.2011 Faraday Discussion 150 Frontiers in Spectroscopy, Basel, Switzerland
171 *The THz dance of the protein with the water*
- 04.04.2011 Workshop on Water, Max-Born-Institut Berlin
170 *Watching the dance of ions and molecules in the THz*
- 21.03.2011 Kolloquium, ETH Zürich, Switzerland
169 *Watching the dance of ions and molecules in the THz*
- 21.01.2011 Kolloquium, Universität Würzburg
168 *Solvatation im Detail verstanden: Von einzelner Ion bis zum Protein*
- 20.01.2011 Universität Würzburg
167 *Der THz Tanz des Wassers*

2006-2010

- 02.12.2010 2nd Intl. Conference on "Transient Chemical Structures in Dense media", Paris, France
166 *Dynamics of water molecule around proteins*
- 01.11.2010 1st German-Russian Symposium in Nanomaterials – New Horizons, Moscow, Russia
165 *Chemical nanoscopy of surfaces and at interfaces*
- 13.09.2010 Advanced Laser Technologies Conference ALT'10, Egmond an Zee, Netherlands
164 *Watching the dance of the water with the protein*

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| 10.08.2010
163 | Gordon Research Conference on Water & Aqueous Solutions, Mount Holderness, NH, USA
<i>The THz dance of the water with the protein</i> |
| 19.07.2010
162 | Physikalisches Kolloquium, Ruhr-Universität Bochum
<i>Rock and roll at 0.37 K</i> |
| 02.07.2010
161 | Kolloquium, Universität Düsseldorf
<i>Understanding solvation on a molecular scale – An interplay between experiment and solution</i> |
| 15.06.2010
160 | Physikalisches Kolloquium, TU Dortmund
<i>Rock and Roll at 0,37 K</i> |
| 10.06.2010
159 | Intl. Conference on Laser Applications in Life Sciences, Oulu, Finland
<i>The THz dance of the protein with the water</i> |
| 21.04.2010
158 | 456. WE Heraeus-Seminar: THz radiation: generation, detection and applications, Bad Honnef
<i>Watching the dance of the protein with the water</i> |
| 16.04.2010
157 | Physikalisches Kolloquium, Universität Osnabrück, Austria
<i>Challenges in IR-Spectroscopy: From microsolvation towards chemical fingerprints of nanostructured surfaces</i> |
| 09.03.2010
156 | THz Bio Workshop and Center opening ceremony, Seoul, Korea
<i>The THz dance of the protein with the water</i> |
| 08.02.2010
155 | PhandTA 11, Innsbruck
<i>The THz dance of the protein with water</i> |
| 24.01.2010
154 | Photonics West, SPIE Conference 2010, San Francisco, CA, USA
<i>THz spectroscopy as a new tool to probe hydration dynamics</i> |
| 12.01.2010
153 | Water at Interfaces Conference, Institute of Advanced Study, Durham, UK
<i>The THz dance of the water with the protein</i> |
| 17.12.2009
152 | 1 st Workshop on TBONE Experiments and Applications, Karlsruhe
<i>Scanning near field infrared microscopy: Chemical Imaging on a nm scale</i> |
| 01.12.2009
151 | Intl. Workshop TeraTech09, Osaka, Japan
<i>The THz dance of the water with the protein</i> |
| 19.11.2009
150 | Physikalisches Kolloquium, Universität Rostock
<i>Ultrakalte Chemie: Höchstaufgelöste Spektroskopie im Helium-Nanotröpfchen</i> |
| 07.11.2009
149 | Physikerinnen-Tagung der DPG, Frankfurt
<i>Chemie bei ultrakalten Temperaturen: Beobachtung des kleinsten Tropfens Säure</i> |
| 26.10.2009
148 | Conference on Structure and Dynamics of Hydrogen-bonded systems, ICTP, Trieste, Italy
<i>Aggregation induced dissociation of HCl (H₂O)₄ below 1 K: The smallest droplet of acid</i> |
| 15.09.2009
147 | 20 th Intl. Congress on X-ray optics and microanalysis, Karlsruhe
<i>Scanning nearfield microscopy: Chemical imaging on a nm scale</i> |
| 08.09.2009 | Physikalisches Kolloquium, Universität Göteborg, Sweden |

- 146 *Chemistry below 1 K: Observation of the smallest droplet of acid*
- 28.08.2009 SEADIM7 Conference, Varadero, Cuba
- 145 *Laser spectroscopy as a tool to study solvation: From the smallest droplet of acid towards the THz dance of the protein with the water*
- 04.08.2009 Protein Dynamics Workshop, Telluride Science Research Center, CO, USA
- 144 *The THz dance of the water with the protein: Direct observation of collective solvent protein network motions*
- 20.07.2009 Vibrational Dynamics Workshop, Telluride Science Research Center, CO, USA
- 143 *Chemistry below 1 K: Observation of the smallest droplet of acid*
- 13.07.2009 Kolloquium, TU München
- 142 *From the smallest droplet of acid towards the THz dance of the protein with the water*
- 10.07.2009 41st EGAS 2009, Danzig, Poland
- 141 *Chemistry at ultracold temperatures: Observation of the smallest droplet of acid*
- 27.05.2009 Intl. workshop on Quantum Fluid Clusters, MPIKS, Dresden
- 140 *Aggregation induced dissociation of HCl(H₂O)₄ below 1 K: The smallest droplet of acid*
- 23.05.2009 Protein-Protein-Interactions: Experiment and Theory, Deutsche Gesellschaft für Biophysik, Hünfeld
- 139 *The THz dance of the protein with the water*
- 11.05.2009 Protein and Water workshop, Tempe, AZ, USA
- 138 *The THz dance of the water with the protein*
- 15.04.2009 Purdue University, West Lafayette, IN, USA
- 137 *Understanding solvation dynamics: From the smallest droplet of acid towards the THz dance of the protein with the water*
- 20.03.2009 4th Ringberg Meeting on Molecular Physics 2009, Schloß Ringberg, Kreuth
- 136 *The smallest droplet of acid: IR high resolution spectroscopy of solvated HCl*
- 16.03.2009 Symposium, Universität Göttingen
- 135 *The THz dance of water with the protein: Direct observation of collective solvent protein network motions*
- 09.03.2009 Intl. workshop on Optical Terahertz Science, Santa Barbara, CA, USA
- 134 *The THz dance of the protein with water*
- 06.03.2009 Emory University, Atlanta, GA, USA
- 133 *From fluctuations to function and vice versa: The THz dance of the water with the protein*
- 28.02.2009 53rd Annual Meeting of the Biophysical Society, Boston, MA, USA
- 132 *The THz dance of water with the protein*
- 26.02.2009 Workshop Neutrons and X-rays meet biology, Helmholtz Zentrum Berlin
- 131 *The THz dance of the water*
- 12.02.2009 TBONE workshop ANKA, Karlsruhe
- 130 *The THz dance of the protein with the water*
- 11.02.2009 Kolloquium, Universität Kaiserslautern

129	<i>Solvatation neu aufgerollt: Vom kleinsten Säuretropfen bis zur schnellen Solvationsdynamik von Proteinen</i>
28.01.2009	Ultrafast Biochemistry Workshop, Basel, Switzerland
128	<i>Terahertz excitation of biomolecules</i>
20.01.2009	Kolloquium, Universität Stuttgart
127	<i>Vom kleinsten Säuretropfen bis zum THz Tanz des Wassers mit den Proteinen</i>
17.12.2008	Laser centre symposium 2008, Vrije Universiteit Amsterdam, Netherlands
126	<i>The THz dance of the protein with the water</i>
15.12.2008	Princeton, NJ, USA
125	<i>Introduction to Spectroscopy in ultracold Helium nanodroplets</i>
08.11.2008	Alexander von Humboldt-Kolloquium, Varanasi, India
124	<i>The THz dance of the protein with the water</i>
29.10.2008	AMO physics section meeting of the Dutch Physics Society, Lunteren, Netherlands
123	<i>The THz dance of the protein with the water</i>
24.10.2008	Kolloquium, Universität Freiburg
122	<i>Neue Möglichkeiten der IR- und THz-Laserspektroskopie: Chemische Fingerabdrücke nanostrukturierter Oberflächen und der THz Tanz des Wassers</i>
21.10.2008	55 th AVS Meeting, Boston, MA, USA
121	<i>Vibrational imaging with nm resolution: Scanning Near Field Infrared Microscopy (SNIM) on surfaces</i>
29.09.2008	European Optical Society (EOS) meeting, Paris, France
120	<i>Scanning near field infrared microscopy (SNIM): Combining topographical and optical information</i>
25.09.2008	Intchem Summer School und Forschergruppe 618-Workshop, Leśna, Poland
119	<i>Microsolvation of acids studied at ultracold temperatures</i>
28.08.2008	The Royal Society of Chemistry Faraday Discussion 141: Water - From Interfaces to the Bulk, Edinburgh, Scotland
118	<i>The Terahertz dance of water with the proteins: The effect of protein flexibility on the dynamical hydration shell of ubiquitin</i>
15.08.2008	33 rd Intl.Conference on Infrared, Millimeter, and Terahertz Waves (keynote talk), Pasadena, CA, USA
117	<i>The THz dance of water with the protein</i>
06.08.2008	Gordon Research Conference on Vibrational Spectroscopy, South Hadley, MA, USA
116	<i>High resolution laser spectroscopy of molecular aggregates in superfluid helium nanodroplets: The smallest droplet of acid</i>
11.06.2008	Graduiertenkolleg-Kolloquium FU Berlin
115	<i>THz dance of the water with biomolecules</i>
27.05.2008	Workshop on Bionanointerfaces, Portoroz, Croatia
114	<i>The THz and IR look on surfaces and interfaces</i>
21.05.2008	Verleihung des Erfinderpreises 2007 der rubitec GmbH, Bochum
113	<i>Entwicklung eines neuartigen Mikro-/Nanoskops</i>

- 16.04.2008
112 Eduard-Zintel-Kolloquium, TU Darmstadt
Der "THz-Tanz" des Wassers mit den Biomolekülen
- 03.04.2008
111 Analytica Konferenz, München
Der THz Tanz des Wassers mit den Proteinen
- 27.02.2008
110 2nd Intl. Conference on Perspectives in Vibrational Spectroscopy (ICOPVS 2008),
Trivandrum, India
The THz dance of the water with biomolecules
- 11.02.2008
109 Winter College on Micro and Nano Photonics for Life Sciences, Trieste, Italy
IR nearfield microscopy: principles and applications
- 28.01.2008
108 GdCH-Kolloquium, Universität Regensburg
Von der Mikrosolvatation bis zum "THz-Tanz" der Proteine
- 18.12.2007
107 Kolloquium, Universität Münster
A closer look on surfaces and interfaces by IR- and THz laser spectroscopy
- 10.12.2007
106 Meeting on Biomolecules investigated with UV and THz spectroscopy, Nijmegen,
Netherlands
The THz dance of the water with biomolecules
- 03.12.2007
105 Kolloquium, Universität Bonn
*Ein mikroskopischer Blick auf Biomoleküle: Vom IR-Nahfeldblick auf Lipide
bis zum Tanz des Wasser mit den Proteinen*
- 13.11.2007
104 Kolloquium, MPI für Eisenforschung, Mülheim
A closer look on surfaces and interfaces by IR- and THz laser spectroscopy
- 08.11.2007
103 Seminarvortrag, Universität Zürich, Switzerland
The THz dance of water with biomolecules
- 18.10.2007
102 Kolloquium, Freiburger Physiktage, Universität Freiburg
Der THz-Tanz des Wassers mit den Biomolekülen
- 14.08.2007
101 29th Intl. Symposium on Free Radicals, Big Sky, MT, USA
*High resolution infrared spectroscopy of molecules in helium nanodroplets:
Observation of radicals and aggregation processes at ultralow temperatures*
- 04.08.2007
100 Intl. Symposium "Topical Problems of Biophotonics 2007" Nizhny Novgorod, Russia
The THz dance of water with biomolecules
- 31.07.2007
099 Workshop on Protein dynamics, Telluride Science Research Center, CO, USA
The THz dance of the protein with the water
- 11.07.2007
098 Seminar am MPI für molekulare Physiologie, Dortmund
*New perspectives of IR- and THz spectroscopy of biomolecules: From chemical
nanoscopy of lipids to the THz dance of the water with the protein solvation water
around proteins*
- 09.07.2007
097 Conference on Tunable Diode Laser Spectroscopy, Reims, Frankreich
IR spectroscopy in ultracold heliumnanodroplets
- 04.05.2007
096 Physikalisches Kolloquium, Universität Heidelberg
Was "sehen" wir mithilfe der IR- und THz Lasertechnologie?

- 16.04.2007 Spring College on "Water in Physics, Chemistry and Biology", Trieste
095
094
1. *Probing solvation dynamics in the sub-psec regime: Experimental probes*
2. *Probing solvation dynamics in the sub-psec regime by THz spectroscopy*
- 10.04.2007 Rundgespräch der DFG "Cold Reaction Dynamics" Physikzentrum Bad Honnef
093
Mikrosolvatation und -aggregation in ultrakalten Heliumnanotröpfchen
- 29.03.2007 233rd American Chemical Society Meeting, Symposium on Vibrational Spectroscopy
092
as a Probe of Biomolecular Structure and Dynamics, Chicago, IL, USA
The THz dance of the water with the protein
- 20.03.2007 Workshop spectroscopy of biomolecules, DELTA, Dortmund
091
Scanning nearfield infrared microscopy: Chemical imaging with nm resolution
- 06.03.2007 Terahertz-Spektroskopie College Tag, Göttingen
090
Der THz Tanz des Wassers mit Biomolekülen
- 07.02.2007 Nordrhein-Westfälische Akademie der Wissenschaften, Düsseldorf
089
Auf der Suche nach dem "chemischen Fingerabdruck": Neue Perspektiven der Infrarot- und THz-Spektroskopie
- 17.01.2007 GDCh Kolloquium, Universität Marburg
088
Tunnelnde Protonen und tanzende Wassermoleküle: Ein mikroskopischer Blick durch die IR- und THz-Brille
- 13.12.2006 Physikalisches Kolloquium, Universität Frankfurt
087
Was "sehen" wir mit THz-Technologie? Von solvatisierten Proteinen und tanzenden Wassermolekülen
- 12.11.2006 53rd AVS International Symposium & Exhibition, San Francisco, CA, USA
086
THz Technology and its application in the study of hydration layers and thin films
- 26.10.2006 Conference on the Physics, Chemistry and Biology of Water, Vermont, VT, USA
085
Solute-induced retardation of water dynamics probed directly by terahertz spectroscopy
- 16.10.2006 EOS Annual Meeting 2006, Porte de Versailles - Paris, France
084
Scanning infrared near field microscopy: Chemical imaging of subsurface structures and self-assembled monolayers with nm resolution
- 26.09.2006 Emory University, Atlanta, GA, USA
083
THz and IR spectroscopy as a bridge between two worlds: A nanoscopic view of biological phenomena
- 25.09.2006 Emory University, Atlanta, GA, USA
082
A closer look into the world of biomolecules: From the THz dance of water with proteins to chemical images of self-assembled monolayers and cells
- 08.06.2006 Jahrestagung der Deutschen Gesellschaft für angewandte Optik (plenary talk), Weingarten
081
Set-up of a scanning near field infrared microscope (SNIM)
- 11.05.2006 University of Wisconsin at Madison, WI, USA
080
New direction of IR and THz laser spectroscopy: Characterizing of surfaces and hydration shells

- 03.05.2006 University of Illinois at Urbana-Champaign, IL, USA
079 *New directions of IR and THz spectroscopy in condensed phase: From the observation of the hydration shell of sugars to the chemical nanoscopy of sub-surface species*
- 01.05.2006 Princeton University, NJ, USA
078 *New directions of IR and THz spectroscopy: From the hydration shell of sugars and proteins to the IR spectroscopy of sub-surface species at 30 nm resolution*
- 24.04.2006 Emory University and Georgia Tech Institute, Atlanta, GA, USA
077 *New Directions of IR and THz Laser Spectroscopy: Characterization of Surfaces and Hydration Shells*
- 03.04.2006 Forschungszentrum Karlsruhe
076 *New directions of IR and THz spectroscopy – From the IR spectroscopy of sub-surface species at 30 nm resolution to the monitoring of the hydration shell of sugars*
- 14.03.2006 Frühjahrstagung der DPG (Plenarvortrag), Frankfurt
075 *THz-Spektroskopie: Technologische Entwicklungen und ihre Anwendungen in der Biophysikalischen Chemie*
- 20.02.2006 Gordon Research Conference, Ventura, CA, USA
074 *Probing phonon-rotational coupling: IR spectroscopy of dopants in helium nanodroplets*
- 27.01.2006 Kolloquium anlässlich des Tags der Chemie, RWTH Aachen
073 *Mit dem Laser auf der Suche nach "chemischen Fingerabdrücken": Von tunnelnden Protonen und tanzenden Wassermolekülen*

2001-2005

- 06.12.2005 Tag der Biomedizinischen Technik, Ruhr-Universität Bochum
072 *Label-free infrared microscopy and nanoscopy*
- 21.11.2005 Workshop "Isolated Biomolecules and Biomolecular Building Blocks", Düsseldorf
071 *Aggregation and solvation: Proton transfer and solvens dynamics probed by IR and THz spectroscopy*
- 20.09.2005 Cavity Ring Down User Meeting 2005, Oxford, UK
070 *THz cavity-enhanced attenuated total reflection spectroscopy*
- 22.07.2005 Intl. Society of Theoretical and Chemical Physics, New Orleans, LA, USA
069 *Aggregation and Solvation: Proton transfer and solvent dynamics probed by IR and THz spectroscopy*
- 20.06.2005 60th Intl. Symposium on Molecular Spectroscopy (plenary talk), Columbus, OH, USA
068 *Dynamics on hydrogen bonds - perspectives of infrared and far-infrared spectroscopy*
- 20.04.2005 Kolloquium, Universität Würzburg
067 *Von der H-Brücke bis zur Proteindynamik: Möglichkeiten und Perspektiven der Infrarot- und THz-Spektroskopie*
- 31.03.2005 WE-Heraeus-Seminar, Bad Honnef
066 *Collective excitations in quantum gases: spectroscopy of ultra-cold molecules in superfluid helium droplets*

- 11.01.2005
065 Kolloquium, Universität Graz, Austria
Spektraler Fingerabdruck oder Chemisches Nanoskop: Möglichkeiten der hochauflösenden THz- und Infrarotlaserspektroskopie
- 20.12.2004
064 National Spectroscopy Meeting of the Royal Society of Chemistry (plenary talk), University of Leicester, UK
From H-bonds to living cells Challenges for IR laser spectroscopy
- 13.12.2004
063 Conference on Dynamics of cold Molecules, Weizmann Institute, Tel Aviv, Israel
From aggregation to relaxation: IR-spectroscopy of molecules in He-nanodroplets
- 16.11.2004
062 Conference on Single Cell Analysis, Universität Münster
Towards scanning (near field) infrared laser microscopy of cells
- 01.10.2004
061 IRMMW 2004, Karlsruhe
Infrared laser microscopy of living cells using a cw optoparametric oscillator as radiation source
- 26.08.2004
060 American Chemical Society National Meeting, Philadelphia, PA, USA
Probing relaxation in superfluid helium clusters: IR spectroscopy of CO and NO
- 09.07.2004
059 Kolloquium, LMU München
Proceeding from hydrogen bonds towards protein structures by (Far) infrared laser spectroscopy
- 21.06.2004
058 Kolloquium, Universität Kaiserslautern
Proceeding from hydrogen bonds toward protein structures by (Far) infrared laser spectroscopy
- 11.05.2004
057 Kolloquium, ISAS Dortmund
Proceeding from hydrogen bond towards protein structures via (Far) Infrared laser spectroscopy
- 14.01.2004
056 Kolloquium, Universität Freiburg
Proceeding from hydrogen bonds towards protein structures via (Far) infrared laser spectroscopy
- 16.12.2003
055 Kolloquium, Universität Düsseldorf
Biophotonik im IR- und THz-Bereich
- 01.10.2003
054 39th Symposium on Theoretical Chemistry, Gwatt, Switzerland
Hydrogen bonds: New answers to old questions
- 16.09.2003
053 Horizons 2003, FU Berlin,
Proton tunneling in the formic acid dimer
- 19.05.2003
052 Physical-Chemistry Seminar, Oxford, UK
From the THz to the IR or: How fast is the proton in formic acid dimer?
- 30.04.2003
051 Kolloquium, Universität Frankfurt
Methoden der modernen Laserspektroskopie: Vom THz bis zum IR Bereich – Neue Antworten auf alte Fragen
- 25.03.2003
050 DPG-Frühjahrstagung, Hannover
How fast are protons in double hydrogen bonds?
- 08.01.2003 Kolloquium, Universität Dresden

- 049 *Laserspektroskopie von Molekülen in Helium-Nanotropfchen: Ungewöhnliche Beobachtungen in einer ultrakalten Matrix*
- 18.11.2002 Kolloquium, Universität Karlsruhe
048 *Was lernen wir mithilfe von IR-Laserspektroskopie über Wasserstoffbrückenbindungen?*
- 31.10.2002 Kolloquium, FU Berlin
047 *How fast is the proton in double hydrogen bonds? – High resolution spectroscopy of intermolecular complexes*
- 25.07.2002 EURESCO Tagung "Molecules of biological interest in the gas phase", Wildbad Kreuth
046 *How fast are protons in double hydrogen bonds?*
- 11.05.2002 Bunsentagung Potsdam
045 *Hochauflösende IR-Spektroskopie an Ameisensäuredimer- Ein Prototyp für den doppelten Protonentransfer*
- 10.04.2002 DFG Bonn "Wechselwirkung in ultrakalten Atom- und Molekülgasen"
044 *IR-Spectroscopy of molecules in helium: Collective excitations in quantum liquids: spectroscopy of ultracold molecules in supra fluid helium droplets*
- 06.01.2002 Gordon Research Conference, Ventura, CA, USA
043 *Introduction to high resolution spectroscopy of clusters*
- 27.06.2001 Intl. Symposium der Volkswagen-Stiftung, Schloß Mickeln, Düsseldorf
042 *IR-spectroscopy as a tool for the understanding of hydrogen bonded complexes*
- 26.06.2001 Kolloquium, Universität Dortmund
041 *Möglichkeiten der IR-Laserspektroskopie: Von Untersuchungen an H-Brücken bis zu Quantenanregungen in supraflüssigen Heliumtröpfchen*
- 20.03.2001 Kolloquium, Radboud University, Nijmegen, Netherlands
040 *What IR spectroscopy tells us about hydrogen bonding?*
- 26.01.2001 Gemeinsames Kolloquium Universität Dortmund und RUB
039 *Hochauflösende Laserspektroskopie – Anwendungen und Möglichkeiten*
- 18.01.2001 GDCh-Kolloquium, Universität Wuppertal
038 *Was lernen wird mithilfe der Laserspektroskopie über Wasserstoffbrückenbindungen?*

1989-2000

- 02.11.2000 GDCh-Kolloquium, Universität Bielefeld
037 *Was lernen wird mithilfe der Laserspektroskopie über Wasserstoffbrückenbindungen?*
- 13.10.2000 SFB 334, Bonn
036 *IR-Spectroscopy of high lying intermolecular modes of Ar-CO and spectroscopy of formic acid dimer*
- 18.09.2000 Max-Born-Institut Berlin
035 *Was lernen wird mithilfe der Laserspektroskopie über H-Brücken?*
- 20.08.2000 200th ACS National Meeting, Washington DC, USA
034 *Microwave-infrared double resonance spectroscopy of an OCS molecule inside in helium droplet*

18.08.2000 033	Princeton University, NJ, USA <i>Microwave-infrared double resonance spectroscopy of an OCS molecule inside helium droplets</i>
13.07.2000 032	Universität Konstanz <i>Ar-CO und (NH₃)₂ - Zwei Prototypen für intermolekulare Wechselwirkung</i>
25.06.2000 031	Workshop on Quantum fluid clusters, Schloß Ringberg, Kreuth <i>Microwave-infrared double resonance spectroscopy of an OCS molecule inside ⁴He droplets</i>
17.06.2000 030	SFB 452 Workshop, Hattingen <i>Spektroskopie an Molekülen in einer ultraweichen Matrix</i>
05.06.2000 029	Fakultät für Physik und Astronomie, Universität Bochum <i>Ar-CO und (NH₃)₂ - Zwei Prototypen für intermolekulare Wechselwirkung</i>
17.04.2000 028	Gordon Research Conference "Molecular Ionic Cluster", Toulouse, France <i>What does infrared spectroscopy tell us about intermolecular forces?</i>
13.01.2000 027	Institut für Physikalische Chemie, Universität Göttingen <i>Was lernen wir mithilfe der Laserspektroskopie über Wasserstoffbrückenbindung?</i>
05.11.1999 026	Universität Kiel <i>Was lernen wir mithilfe der Laserspektroskopie über Wasserstoffbrückenbindung?</i>
18.06.1999 025	Fakultät für Chemie, Ruhr-Universität Bochum, Antrittsvorlesung <i>Laserspektroskopie: Möglichkeiten und Perspektiven</i>
26.05.1999 024	Konferenz, Niederpöcking <i>High resolution infrared spectroscopy on hydrogen bonded cluster: Formic acid dimer</i>
02.09.1998 023	PRAHA '98, Prag, Czech Republic <i>Infrared spectroscopy of hydrogen bonds</i>
13.05.1998 022	Universität Düsseldorf <i>Spektroskopie als Mittel zum Verständnis der intermolekularen Wechselwirkung</i>
19.08.1997 021	International Symposium on Free Radicals, Taellberg, Schweden <i>IR Spectroscopy of Radicals: A tool for the study of vibronic interaction</i>
14.05.1997 020	Universität Potsdam <i>Infrarotspektroskopie als Mittel zur Beantwortung von interdisziplinären Fragen</i>
22.04.1997 019	Ruhr-Universität Bochum <i>Spektroskopie als Mittel zum Verständnis der intermolekularen Wechselwirkung</i>
18.04.1997 018	Institut für Physikalische Chemie, TU Braunschweig <i>Ar-CO und (NH₃)₂ - Zwei Prototypen für intermolekulare Wechselwirkung</i>
17.04.1997 017	Institut für Umweltphysik, Universität Osnabrück <i>Von interdisziplinären Fragen, intermolekularen Wechselwirkungen und interstellaren Wolken</i>
02.04.1997 016	DFG Berichtskolloquium zum Schwerpunkt "Molekulare Cluster" <i>Ar-CO: Neue Messungen und Test semiempirischer Potentialflächen</i>
23.01.1997	Institut für Physikalische Chemie, RWTH Aachen

- 015 *Ar-CO und (NH₃)₂ - Zwei Prototypen für intermolekulare Wechselwirkung*
- 12.01.1997 Konferenz "Moving Frontiers in Quantum Molecular Science", Bonn
- 014 *Ar-CO and (NH₃)₂ - Two prototype systems for intermolecular interaction*
- 13.05.1996 Workshop on potential surfaces of van der Waals complexes, Bonn
- 013 *(NH₃)₂ a hydrogen bonded complex? - The importance of large amplitude motions*
- 20.03.1996 Hauptvortrag DPG Frühjahrstagung, Rostock
- 012 *Van-der-Waals-Komplexe - eine besondere Klasse von Molekülen*
- 05.03.1996 DLR, Institut für Weltraumsensorik, Berlin
- 011 *Van-der-Waals-Komplexe im Labor - und im Weltall?*
- 12.01.1996 Laboratoire de Photophysique Moléculaire du CNRS, Orsay, France
010. *Infrared spectroscopy of van der Waals complexes*
- 20.12.1995 Universitätsklinik Essen
- 009 *Was das Sternenlicht uns erzählt*
- 01.12.1995 Institut für Physikalische Chemie, Universität Düsseldorf
- 008 *Infrarotspektroskopie an van-der-Waals-Komplexen*
- 27.11.1995 Max-Planck-Institut für Radioastronomie, Bonn
- 007 *Van-der-Waals-Komplexe - eine besondere Klasse von Molekülen*
- 15.11.1995 Max-Planck-Institut für Strömungsforschung, Göttingen
- 006 *Infrarotspektroskopie an van-der-Waals-Clustern*
- 20.10.1995 Physikalisches Institut, Universität Bonn
- 005 *Van-der-Waals-Komplexe - eine besondere Klasse von Molekülen*
- 19.05.1995 Graduiertenkolleg, Fachbereich Physik, Universität Kaiserslautern
- 004 *Infrarotspektroskopie an Clustern*
- 27.01.1995 Abteilung für Chemische Physik, Universität Kiel
- 003 *Konzentrationsmodulationsspektroskopie an CO enthaltenden Komplexen*
- 10.01.1995 Gordon Research Conference on Atomic and Ionic Clusters
- 002 Casa Sirena, Oxnard, CA, USA
- Concentration modulation in the jet: (CO)₂ - a floppy molecule*
- 08.12.1989 Institut für Physikalische Chemie, Universität Frankfurt
- 001 *Dipolmomentmessungen am HN₂⁺*