

The Harry Emmett Gunning Lecture Series was established to recognize the contributions of Professor Gunning to the Department of Chemistry from 1957 to 1974. Previous Harry Emmett Gunning Lecturers were:

F. Neese	(2018)		
M. A. Johnson	(2015)		
T. J. Martinez	(2013)	R. N. Zare	(1998)
M. Fayer	(2012)	W. L. Jorgensen	(1997)
M. Pruski	(2011)	R. J. Saykally	(1995)
G. Meijer	(2010)	S. A. Rice	(1994)
G. Richmond	(2009)	H. B. Gray	(1993)
M. Gruebele	(2008)	J. F. Holzwarth	(1992)
M. S. Gordon	(2007)	G. R. Fleming	(1991)
P. H. Vaccaro	(2006)	H. F. Schaefer	(1990)
C. Robinson	(2005)	A. H. Zewail	(1989)
M. A. Ratner	(2004)	W. Klemperer	(1988)
J. P. Klinman	(2003)	R. R. Ernst	(1987)
C. J. Jameson	(2002)	J. N. Pitts, Jr.	(1986)
G. Scoles	(2001)	K. S. Pitzer	(1985)
R. M. Hochstrasser	(2000)	P. M. Rentzepis	(1984)
H. Kroto	(1999)	M. Calvin	(1983)

The Harry Emmett Gunning Lectures replace those of the Edward Herbert Boomer Lectures that were devoted to physical-theoretical chemistry and were given by:

R. A. Marcus	(1982)
E. Clementi	(1980)
K. J. Laidler	(1978)
M. Eigen	(1976)
G. Herzberg	(1974)
A. D. Buckingham	(1972)
G. C. Pimentel	(1970)
H. S. Frank	(1967)
S. Huzinaga	(1964)
F. S. Dainton	(1962)
E. W. R. Steacie	(1958)

The Harry Emmett Gunning Lecture Series



Professor Mischa Bonn

*Max-Planck-Institute for Polymer Research
Mainz, Germany*

3 October – 5 October 2022

*Physical Division, Department of Chemistry
University of Alberta, Edmonton, Alberta*

Professor Mischa Bonn

<https://www.mpip-mainz.mpg.de/en/bonn/director>

Prof. Dr. Mischa Bonn joined the Max Planck Society in 2011 as one of the directors of the Max Planck Institute for Polymer Research, heading the division "Molecular Spectroscopy". He completed his MSc degree in physical chemistry - with highest honors - in 1993 at the University of Amsterdam (NL) and performed his PhD research (1993-1996) at the FOM-Institute for Atomic and Molecular Physics in Amsterdam. After two postdoctoral stays, at the Fritz Haber Institute (1997-1999) and at Columbia University, New York (1998-1999), he became an assistant professor in 1999 at Leiden University, and received tenure and promotion to Associate Professor in 2002. In 2004, he returned to the Institute for Atomic and Molecular Physics in Amsterdam as group leader. He has been an extraordinary professor (Physics Dept) at the University of Amsterdam since 2005 and an honorary professor at Mainz University since May 2013. Mischa serves as editor for the journal *Chemical Physics*, and as a member of the editorial advisory board of *J. Am. Chem. Soc.*, amongst others. Mischa has won several prizes and awards for his work, including the Gold Medal from the Royal Dutch Chemical Society in 2009 and the Van't Hoff Award from the Deutsche Bunsengesellschaft in 2019. His scientific interests focus on the development and application of laser-based (ultrafast) spectroscopies to advance our understanding of natural phenomena, specifically at interfaces – often involving Mischa's favorite molecule: water.

Mischa Bonn is the author of more than 500 scientific articles in peer-reviewed journals with an H-index of 75. He has presented more than 230 invited talks at international conferences and institutions and supervised/co-supervised ~ 30 Ph.D. theses. His work focuses on the label-free (ultrafast) vibrational spectroscopy and microscopy of biomolecular systems and water in such systems, including model systems for biological membranes. In addition, he also studies carrier dynamics in photovoltaic building blocks.

***You are cordially invited to attend the
2022 Harry Emmett Gunning Lectures
in the Department of Chemistry at the University of
Alberta.***

Lecture 1

"Zooming in on the water surface: How does the liquid end, at the molecular level?"
Monday, 3 October, 11:00 a.m.
Locale: CCIS 1-160

Lecture 2

"Electron Mobility in Novel Electro-Optic Materials"
Tuesday, 4 October, 2:00 p.m.
Locale: E3-25

Lecture 3

"The water-graphene interface: physics and chemistry"
Wednesday, 5 October, 10:00 a.m.
Locale: E3-25

*For further information contact Juli Gibbs
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