

XII Ultrafast Dynamics & Ultrafast Bandgap Photonics Conference Program

Wednesday, 25 September 2024

08:30-09:00

Opening Coffee

9:00-09:30

Opening Remarks:

Michael K. Rafailov; Rolf Binder

Session I

Introductory Talk

09:30-10:15

Keith Nelson, MIT

"Molecules...materials...It's all about the light-matter interactions."

Session II

Plenary Talks

10:15 - 10:45

Kazuhiro Yabana, University of Tsukuba

"Ab initio description for propagation and dephasing in ultrafast and nonlinear photonics."

10:45-11:15

Peter Littlewood, University of Chicago

"Non-reciprocal phase transitions."

11:30 - 12:30

Lunch

Session III

Ultrafast Magnetism-I

Session chair: Eric Fullerton

12:45-13:15 Wanzheng Hu

13:15-13:45 Andrey Baydin

13:45-14:15 Michael Zuerch

14:15-14:45 Honglie Ning

14:45-15:15 Geoffrey Diederich

Session IV

Ultrafast Dynamics: Theory

Session chair: Rolf Binder

Jim Freericks

Vasili Perebeinos

Herbert Fotso

Chenhang Xu

Stefan Schumacher

15:15-15:45

Coffee Break

Session V

Nonequilibrium Superconductivity-I

Session chair: Michael Först

15:45-16:15 Patrick Kirchmann

16:15-16:45 Fabio Boschini

16:45-17:15 Martin Claassen

17:15-17:45 Steve Dodge

17:45-18:15

Session VI

Heterostructure Dynamics I

Session chair: Xioyang Zhu

Rolf Binder

Claudia Gollner

Milan Delor

Yusong Bai

Christopher Smallwood

Thursday, 26 September 2024

Session VII

Plenary Talks

08:00 - 08:30

Henry Kapteyn

"Understanding fundamental phenomena in 2D and quantum materials using time-resolved extreme-UV spectroscopies."

08:30-09:00

Hermann Dürr

"Nanoscale confinement of dynamical spin textures."

09:00-9:30

Michele Buzzi

"Advances in the optical control of superconductivity in high-Tc cuprates."

09:30-10:00

Steven Cundiff

"Double-quantum spectroscopy of electrostatically doped TMD monolayers"

10:00-10:30

Coffee Break

Session VIII

Ultrafast Magnetism - II

Session chair: **Alexander Gray**

10:30-11:00 **Eric Fullerton**

11:00-11:30 **Benjamin Stadtmüller**

11:30-12:00 **John Harter**

12:00-12:30 **Kyle Seyler**

12:30-13:00 **Liuyan Zhao**

13:15-14:15

Lunch & Group Photo

Session X

Nonequilibrium Superconductivity -II

Session chair: **Michael Först**

14:30-15:00 **Richard Averitt**

15:00-15:30 **Kota Katsumi**

15:30-16:00 **Albert Liu**

16:00-16:30

Coffee Break

Session XII

Nonequilibrium Superconductivity -III

Session chair: **Michele Buzzi**

16:30-17:00 **Michael Rübhausen**

17:00-17:30 **Martin Mootz**

17:30-18:00 **Yiping Wang**

18:30-21:00

Conference Dinner

Session IX

Attoscience

Session chair: **Henry Kapteyn**

Mohammed Hassan

Markus Borsch

Michael Chini

Miroslav Kolesik

Jun Xiao

Session XI

Heterostructure Dynamics II

Session chair: **Miroslav Kolesik**

Markus Raschke

Brian Kim

James McIver

Session XIII

Optics of Nonequilibrium

Session chair: **Matt Graham**

Hui Zhao

Diyar Talbayev

David Bain

Friday, 27 September 2024

Session XIV

08:00 - 08:30

Plenary Talks

Xiaoyang Zhu

"Time domain view of van der Waals quantum matter."

08:30-09:00

Victor Klimov

"Ultrafast spin-exchange interactions in magnetically doped quantum dots for advanced photoconversion."

Session XV

Heterostructure Dynamics III

Session chair: **Christian Schneider**

09:05-09:35 **Anton Husakou**

09:35-10:05 **Katsumasa Yoshioka**

10:05-10:35 **Vitaly Gruzdev**

10:35-11:05 **Christian Heide**

Session XVI

Ultrafast Dynamics: Experiments

Session chair: **Jim Freericks**

David Reis

Carina Belvin

Jiaojian (Tristan) Shi

Samuel Teitelbaum

11:05-11:30

Coffee Break

Session XVII

Chirality Control & Ultrafast Magnetism -III

Session chair: **Hermann Dürr**

11:30-12:00 **Michael Först**

12:00-12:30 **Matt Beard**

12:30-13:00 **Alexander Gray**

Session XVIII

Ultrafast Bandgap Photonics

Session chair: **Stefan Schumacher**

Matt Graham

Vanessa Huxter

13:15-14:15

Lunch

Session XIX

Metastability

Session chair: **Michael Rafailov**

14:30-15:00 **Alan Bristow**

15:00-15:30 **Linjie Dai**

15:30-16:00 **Aaron Sternbach**

16:00-16:30 **Oleg Gorobtsov**

16:30-17:00 **Felipe Jornada**

Session XX

Ultrafast Dynamics: Semiconductors

Session chair: **Rolf Binder**

John Schaibley

Yusuke Morita

Leonid Butov

Oliver Monti

Christian Schneider

17:15-18:15

Closeout Coffee