

Session Program

26 July 2026 to 1 August 2026



The 43rd International Symposium on Lattice Field Theory (Lattice 2026)

Plenary session

University of Maryland, College Park
Adele H. Stamp Student Union 3972 Campus Dr College Park, MD 20742, United States

Monday 27 July

09:00

Plenary session

Session |

Location: Adele H. Stamp Student Union, Colony Ballroom (Room 2203), 3972 Campus Dr, College Park, MD 20742

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Convener: Aida El-Khadra

09:00–09:05

Welcome and opening remarks I

Speaker

Prof. Zohreh Davoudi

09:05–09:15

Welcome and opening remarks II

Speaker

Prof. Patrick O'Shea

09:15–10:00

Lattice QCD for Quark-Flavour Physics

Speaker

Andreas Juttner

10:00–10:30

The recent precision determination of $\alpha_s(m_Z)$ by the ALPHA collaboration

Speaker

Stefan Sint

10:30

11:00

Plenary session

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|

Convener: William Detmold

11:00–11:30

Smeared spectral function: opportunities and challenges

Speaker

Shoji Hashimoto

11:30–12:00

Recent Progress in Lattice Determination of Radiative Corrections in Hadronic Processes

Speaker

Xin-Yu Tuo

12:00–12:30

Algorithms and machines for lattice field theory research

Speaker

Xiao-Yong Jin

12:30

Tuesday 28 July

09:00

Plenary session

Session |

Location: Adele H. Stamp Student Union, Colony Ballroom (Room 2203), 3972 Campus Dr, College Park, MD 20742

|

Convener: Seyong Kim

09:00–09:45

Exploring QCD at finite temperature and density

Speaker

Jana N. Guenther

09:45–10:30

AI/ML for Lattice

Speaker

Daniel Hackett

10:30

11:00

Plenary session

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|

Convener: Prof. Thomas Luu

11:00–11:30

Neural Network Ground States for Lattice Gauge Theories

Speaker

Thomas Spriggs

11:30–12:00

The fate of $U(1)_A$ symmetry in finite temperature QCD

Speaker

Antonio Smecca

12:00–12:30

The Life and Legacy of Robert L. Sugar

Speaker

Steven Gottlieb

12:30

Thursday 30 July

09:00

Plenary session

Session |

Location: Adele H. Stamp Student Union, Colony Ballroom (Room 2203), 3972 Campus Dr, College Park, MD 20742

|

Convener: Max Hansen

09:00–09:30

(Heavy) hadron exotics from lattice QCD

Speaker

Dr M. Padmanath

09:30–10:00

Nuclear and hypernuclear physics from lattice QCD

Speaker

Robert Perry

10:00–10:30

Lattice Field Theory Meets Quantum Computers

Speaker

Alaina Green

10:30

11:00

Plenary session

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|

Convener: Nilmani Mathur

11:00–11:45

Quantum Computers: A new tool for lattice calculations

Speaker

Christian Walter Bauer

11:45–12:30

Wilson Award Session

Speaker

Prof. Zohreh Davoudi

12:30

Friday 31 July

09:00

Plenary session

Session |

Location: Adele H. Stamp Student Union, Colony Ballroom (Room 2203), 3972 Campus Dr, College Park, MD 20742

|

Convener: Marina Krstic Marinkovic

09:00–09:30

Tensor Network States and Lattice Gauge Theories

Speaker

Erez Zohar

09:30–10:00

Lattice Hamiltonian Formulations of Chiral Fermions and Chiral Gauge Theories

Speaker

Hersh Singh

10:00–10:30

Lattice QCD: Helping set the stage for the future Electron-Ion Collider

Speaker

Prof. Christine Aidala

10:30

11:00

Plenary session

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|

Convener: Prof. Martha Constantinou

11:00–11:45

Hadron structure from lattice QCD

Speaker

Gunnar Bali

11:45–12:35

Panel discussion on "Sustaining (Lattice Field Theory) Research in a Changing World"

Speakers

Andreas Kronfeld, Christian Walter Bauer, Constantia Alexandrou, Jonathan Bagger, Marina Krstic Marinkovic, Sinya Aoki, Prof. Sylvester James Gates

12:35

Saturday 1 August

09:00

Plenary session

Session |

Location: Adele H. Stamp Student Union, Colony Ballroom (Room 2203), 3972 Campus Dr, College Park, MD 20742

|

Convener: Anna Hasenfratz

09:00–09:45

Recent results in lattice BSM

Speaker

Simon Catterall

09:45–10:30

Gradient Flow in Lattice QCD: Recent Applications and Developments

Speaker

Andrea Shindler

10:30

11:00

Plenary session

Session |

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|

Convener: Stephen Sharpe

11:00–11:30

Dealing with left-hand cuts in multi-hadron spectroscopy

Speaker

Lu Meng

11:30–12:00

Benchmarking lattice determinations of x -dependent hadron structure

Speaker

Christopher Monahan

12:00–12:30

The axion-photon coupling from lattice QCD

Speaker

Mr Gergely Marko

12:30–12:45

Lattice 2027 teaser

12:45–13:00

Closing remarks

Speaker

Prof. Zohreh Davoudi

13:00