

# The 36th International Symposium on Lattice Field Theory

<https://web.pa.msu.edu/conf/Lattice2018/>

## First Circular

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Lattice 2018, the 36th International Symposium on Lattice Field Theory will take place at Michigan State University, East Lansing, MI, USA from Sunday, July 22, 2018, to Saturday, July 28, 2018.

The conference will be held at the *Kellogg Hotel and Conference Center*, which is conveniently situated on the campus of Michigan State University. All plenary and parallel sessions will take place inside the Kellogg Conference Center.

The conference scientific program will start on the morning of Monday, July 23, and end at lunchtime on Saturday, July 28. Registration and a reception will be held on the evening of Sunday, July 22 at the Kellogg Hotel and Conference Center.

East Lansing is adjacent to the Michigan state capitol, Lansing, and located at the heart of Michigan, which is in the midst of the Great Lakes. Many Great-Lakes destinations, including the lake beaches, scenic rivers and woodlands and local breweries are only a couple of hours away. The conference site and hotels are either on Michigan State University campus or nearby. The Red Cedar River passes through the campus right next to the conference site, and features scenic biking/running trails through campus or to Lansing. There are nearby natural areas and plenty of green space on campus and in the surrounding area. Downtown East Lansing (within walking distance) and Lansing feature diverse cuisine from the US midwest and around the world.

## Contact Information

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More information can be found on the conference web site, which will be updated regularly:

<https://web.pa.msu.edu/conf/Lattice2018/>

If you need to contact us, please send an email to [lattice2018@pa.msu.edu](mailto:lattice2018@pa.msu.edu).

## Important Deadlines

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- The deadline for financial support applications is Friday, March 16, 2018.
- The early-bird registration deadline is Friday, May 4th, 2018.
- The abstract-submission deadline is Sunday, June 10, 2018.
- The regular registration deadline is Friday, June 15, 2018.
- Each hotel will have its own reservation deadline. We anticipate that all the deadlines will fall into mid-June 2018. However, since the number of rooms available in each hotel is limited, your preferred hotel may be fully booked well ahead of its reservation deadline. Hence, we recommend booking early.

Registration and abstract submission will proceed via the conference web page, and an announcement will be made when these features become available.

Accommodation reservations can be made through the links on the conference website which will be available in early January. Please check the conference website for further details.

## Program

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The program will include plenary talks, parallel talks and a poster session on the following topics:

- Algorithms and machines
- Applications beyond QCD
- Chiral symmetry
- Hadron spectroscopy and interactions
- Hadron structure
- Nonzero temperature and density
- Standard model parameters and renormalization
- Theoretical developments
- Vacuum structure and confinement
- Weak decays and matrix elements

## International Advisory Committee

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- Sinya Aoki (Kyoto U.)
- Nora Brambilla (TU Munich)
- Sara Collins (Regensburg U.)
- Massimo D'Elia (U. Pisa)
- William Detmold (MIT)
- Heng-Tong Ding (CCNU)
- Elvira Gamiz (Granada)
- Maarten Golterman (SFSU)
- Rajan Gupta (LANL)
- Anna Hasenfratz (Colorado U.)
- Etsuko Itou (Osaka U.)
- Frithjof Karsch (BNL/Bielefeld U.)
- Tony Kennedy (U. of Edinburgh)
- Jack Laiho (Syracuse U.)
- Laurent Lellouch (CNRS/Aix-Marseille U.)
- David Lin (NCTU Hsinchu)
- Thomas Luu (FZ Jülich/U. Bonn)
- Nilmani Mathur (TIFR)
- Tereza Mendes (São Paulo U.)
- Kostas Orginos (W&M/JLab)
- Sasa Prelovsek (University of Ljubljana/Regensburg)
- Sinéad Ryan (Trinity College Dublin)
- Chris Sachrajda (U. of Southampton)
- Steve Sharpe (U. Washington)
- Ross Young (U. of Adelaide)

## Financial Support

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There is a limited amount of financial support for students and possibly young researchers which will be given in the form of supported accommodations in the dormitories of Michigan State University for 7 nights (valued about \$252). These accommodation charges will be fully covered for participants who are granted support. However, there will be no reduction of the registration fee.

Applicants should fill out the following form to apply:

<https://goo.gl/forms/sRjXuayCy4iXdXx92>

In addition, student/postdoctoral applicants should request a statement of support from their thesis advisor/supervisor sent to [lattice2018@pa.msu.edu](mailto:lattice2018@pa.msu.edu), with the subject line of the email:

[LAT18Support] Applicant's Last Name, Applicant's First Name.

The deadline for financial-support applications is **Mar. 16, 2018**.

Please note that the amount of available support is limited and not all applications may be successful.

## Travel Information

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Detailed travel information can be found in the conference web page:

<https://web.pa.msu.edu/conf/Lattice2018/LocalInfo.html>

For air travel, these are the most frequently used airports by some of the locals:

1. Capital Region International Airport (LAN)

Roughly 15 km from the conference site. Closest airport. Call your hotel to see whether they provide pickup from airport. Kellogg provides shuttles between their hotel and this airport. Unfortunately, not so many airlines go here.

2. Detroit Metropolitan Airport (DTW):

150 km away. Biggest airport in the area. Take the Michigan Flyer bus service (to East Lansing stop; 54\$ round-trip); it takes about 2 hours. Driving time is about 1.5 hours if no traffic.

3. Chicago O'Hare International Airport (ORD):

400 km away. Rent a car to get to the conference site (3.5 hours driving if no traffic) or take the Amtrak from Chicago Union Station to East Lansing (around 4 hours). This route is primarily recommended for international travelers who are interested in visiting Chicago or touring around the Great Lakes with a rental car before or after the conference.

## Visa Information

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International scientists and scholars (and accompanying family members) planning to travel to the United States should start the process as soon as they know of their intent to travel and be well informed and adequately prepared for the U.S. visa application process.

First, please check the following link to see whether you qualify for the visa waiver program to enter the US:

<https://travel.state.gov/content/visas/en/visit/visa-waiver-program.html>

If you require an invitation letter for your visa application, please fill out the following Google Form:

<https://goo.gl/forms/Vq5pGSE9gvjOyWSg2>

Further visa information is available on the conference web page:

<https://web.pa.msu.edu/conf/Lattice2018/VisaInfo.html>

For any additional questions, please email [lattice2018@pa.msu.edu](mailto:lattice2018@pa.msu.edu) with title starting with “[Lat18Visa]” so that your email will reach the relevant person faster.

## Excursions and Sightseeing

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The afternoon of Thursday July 26, 2018 is allocated for excursions. Participants will be able to select the following organized excursions:

1. FRIB and MSU Tour (limited to 100 participants)
  - Guided tour at the Facility for Rare Isotope Beams (application prior to the conference required)
  - Bus services to nearby MSU spots: Broad Art Museum, Horticulture Demonstration Gardens, MSU Museum, MSU Dairy Store (a must-stop ice-cream shop at MSU), Shops along Grand River Avenue
2. Michigan History Tour
  - State Capitol Building – guided 1-hour tour
  - Michigan Historical Museum – self guided tour – 1 to 1½ hours
  - R.E. Olds Transportation Museum – self guided tour – 1 to 1½ hours
3. Makers & Shakers Tour (limited to 100 participants)

We will stop at the following places to sample the local beers:

  - Lansing/East Lansing area: Lansing Brewing Company, Ellison Brewery & Spirits, Red Cedar Spirits
  - Williamston area: Old Nation Brewing Company
4. Evening Michigan Princess Dinner Cruise (minimum required number of participants: 50):  
<https://www.michiganprincess.com/>

Other possible self-organized tours:

- Canoe or Kayak on the Red Cedar River: River Town Adventures (<http://rivertownadventures.com/>) offers a coordinated tour with specific pickup/drop-off location
- MSU Bike Service Center: <https://msusurplusstore.com/msu-bikes/>. Cost is \$20 per day or \$40 per week.
- Detroit: Stop by the Henry Ford Museum and Detroit waterfront

## Important Note

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This announcement is being sent to the LatticeNews mailing list. Please forward it to colleagues who have not yet subscribed to the list and might be interested in attending the conference. For up to date information about status of latticenews and instructions for subscribing, visit:

<http://physics.indiana.edu/~sg/latticenews-news>

We are looking forward to seeing you in East Lansing next summer!

## The Lattice 2018 Local Organizing Committee

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Huey-Wen Lin (Chair)  
Alexei Bazavov (co-Chair)  
Andrea Shindler (co-Chair)  
Aida X El-Khadra  
Steven Gottlieb  
Keh-Fei Liu  
Randy Lewis  
Yannick Meurice  
James Osborn

