Differential Equations and Dynamical Systems and their Applications

September 20-21, 2019

47TH ANNUAL MATHEMATICS CONFERENCE

THE DEPARTMENT OF MATHEMATICS
MIAMI UNIVERSITY
OXFORD OHIO 45056

FUNDING IN PART PROVIDED BY
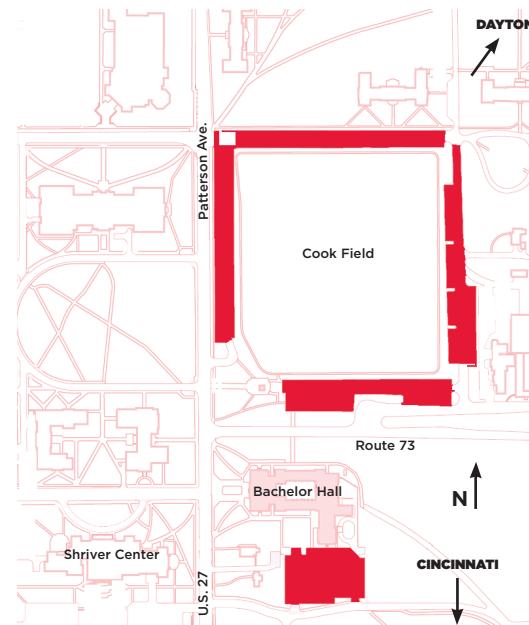
National Science Foundation

SMOKE FREE CAMPUS

Miami Campuses are smoke-free environments. Smoking is prohibited in all Miami University-owned facilities and property. A designated smoking area is provided for guests at the Marcum Conference Center.

MEALS

On Friday evening there will be a pizza party, and on Saturday there will be a picnic lunch. Reservations for these should be made on the registration form.

*All conference sessions will be held in Bachelor Hall.
Red designates Conference Parking areas

TRAVEL

Miami University in Oxford is located in southwestern Ohio, roughly between Cincinnati and Dayton, five miles from the Indiana State line. By automobile, Oxford may be reached by U.S. Highway 27 or State Highway 73. The nearest major airports are in Cincinnati and Dayton. Rental car or local car service (Oxford Transportation) 513-523-8728.

ACCOMMODATION SUGGESTIONS

Reservations must be made directly with the hotel.

AREA HOTELS WITH DISCOUNTED ROOM BLOCKS

Baymont Inn & Suites - Oxford
(513) 523-2722
Group Code: MU Math Conference
Rate: $145.00
Cut off date: 8/20/2019

Comfort Inn
(513) 524-0114
Group Code: MU Math Conference
Rate: $199.99
Cut off date: 8/20/2019

Hueston Woods Lodge
(513) 664-3500
Group Code: MU Math Conf
Rate: $143.10–$161.10
Cut off date: 8/20/2019

Marcum Conference Center
(513) 529-6911
Group code: Miami U Math Conference
Cut off date: 8/19/2019

ADDITIONAL HOTELS WITHOUT ROOM BLOCKS

Best Western/Sycamore Inn
(513) 523-0000 or (800) 523-4678

The Courtyard Marriott – Hamilton, OH
(513) 896-6200
Please call for availability

The Elms Hotel Holiday Inn
(513) 524-2002
Sold out - call to see if there are cancellations

Hampton Inn
(513) 524-2012
Sold out - call to see if there are cancellations

AREA BED AND BREAKFASTS / AIRBNB

Presidio Pines Bed and Breakfast
(513) 967-4603
www.presidiopinesbedandbreakfast.com
Weekend stay requires two nights

The White Garden Inn
(513) 524-5827
www.whitegardeninn.com
Weekend stay requires two nights

Airbnb
www.airbnb.com
60-70 homes in Oxford, OH area accommodating 2 or 4+ guests

(Above prices do not include tax and/or gratuities)

Additional information about accommodations can be found on the conference website:

**https://miamioh.edu/cas/
academics/departments/mathematics/about/events/
annual-mathematics-conference/index.html**

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FRIDAY, SEPTEMBER 20TH

1:00 pm   **Welcome and Introductions**

1:15 pm   **Björn Sandstede**
Brown University
"Dynamics of nonlinear waves and patterns"

2:15 pm   **Break**

2:30 pm   **Todd Young**
Ohio University
"Temporal Clusters Prefer to be Equally Distributed
- an example from the Yeast Cell Cycle"

3:30 pm   **Break**

3:45 pm   **Parallel Sessions**

4:15 pm   **Break**

4:25 pm   **Nancy Rodriguez**
University of Colorado Boulder
"A story on the ideal free distribution, the Allee
effect, and competition through the lens reaction-
advection-diffusion equations"

5:30 pm   **Pizza**
(Reservations Required)

7:00 pm   **PME Student Conference Talks**

SATURDAY, SEPTEMBER 21ST

8:30 am   **Coffee/Pastries & Fruit**

9:00 am   **Parallel Sessions**

10:45 am   **Break**

11:00 am   **Arnd Scheel**
University of Minnesota
"Patterning and self-organization beyond Turing:
from myxobacteria to flatworms"

12:00 pm   **Lunch**

1:00 pm   **Parallel Sessions**

*All conference sessions will be held in Bachelor Hall

CONFERENCE CO-DIRECTORS

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Alin Pogan: pogana@miamioh.edu | **Alim Sukhtayev:** sukhataa@miamioh.edu

CALL FOR PAPERS

Contributed paper sessions are being planned for both Friday
and Saturday. Authors wishing to contribute a 15 or 30 minute
paper consistent with the theme of the conference should submit
an abstract by August 30. All speakers receive complimentary
registration. Conference brochures with information concerning
the preliminary program and pre-registration will be available after
August 1, 2019. General conference information is posted at
https://miamioh.edu/cas/academics/departments/mathematics/
about/events/annual-mathematics-conference/index.html.

To register and submit talk information visit:
https://miamioh.formstack.com/forms/mathreg_2019

Email for additional information to:
AnnualFallMathConf@MiamiOH.edu

STUDENT CONFERENCE

The Ohio Delta Chapter of Pi Mu Epsilon will hold its forty-sixth
annual Student conference, Friday, September 20, 2019.
Undergraduate and graduate students are invited to contribute
15 or 30 minute papers, and should register at
https://miamioh.formstack.com/forms/mathreg_2019.

For additional information e-mail:
AnnualFallMathConf@MiamiOH.edu

Mathematics Conference
C/O Kimberly Hamblin
Department of Mathematics
Miami University, Oxford, Ohio 45056
Telephone: (513) 529-5818; Fax: (513) 529-1493
https://miamioh.edu/cas/academics/departments/mathematics/
about/events/annual-mathematics-conference/index.html

REGISTRATION FORM   Online registration available on conference website: https://miamioh.formstack.com/forms/mathreg_2019

Name _____

Affiliation _____ Phone _____

Address _____ City _____ State _____ Zip _____

Email Address _____

Registration*	$30 _____
One-Day Only	$20 _____
Friday Evening Dinner	$5 _____
Saturday Noon Lunch	$10 _____
Total Enclosed	$ _____

Registrations must be received by September 13th, 2019.
Register online or mail registration forms with check payable to
MIAMI UNIVERSITY. Please use one form per person.
(A receipt will be in your registration packet)

Mathematics Conference
Dept. of Mathematics
Miami University
Oxford, Ohio 45056
(513) 529-5818

*Please Note: Contributing Speakers do not pay the Registration fee.
The registration fee for those registering at the conference is $30 for both days;
$20 for one day only. (There is no registration fee for students.)

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