

Conference Preannouncement

Modern Achievements in Symmetries of Differential Equations (Symmetry 2022)

A Hybrid Conference

December 13-16, 2022

Suranaree University of Technology
Nakhon Ratchasima, Thailand

Organized jointly by

School of Mathematics, Suranaree University of Technology, Thailand
Keldysh Institute of Applied Mathematics, Russian Academy of Sciences, Russia
Department of Mathematical Sciences, Stellenbosch University, South Africa
Moscow Center of Fundamental and Applied Mathematics, Russia

Dear Friends, Colleagues and Researchers,

In January 2019, the School of Mathematics at Suranaree University of Technology hosted the conference '*Modern Treatment of Symmetries, Differential Equations and Applications (Symmetry 2019)*' on occasion of Academician Lev V. Ovsianikov's 100th birthday anniversary, and in August 2021 the conference '*Analytical and Numerical Methods in Differential Equations (Yanenko100, AMNDE2021)*' on occasion of Academician Nikolai N. Yanenko's 100th birthday anniversary, both with great success. In response to numerous requests for a follow-up, we are pleased to announce the conference '***Modern Achievements in Symmetries of Differential Equations (Symmetry 2022)***' which will be held during 13-16 December of this year. Due to ongoing Covid-19 concerns and travel difficulties, it will be held as a hybrid conference: while all presentations will be given online by Zoom video conferencing, interested participants are invited to travel to Suranaree University of Technology and meet in person.

The aim of the conference is to stimulate discussions of new ideas, mathematical methods and applications of group analysis to problems of nonlinear differential equations, difference equations and integro-differential equations in mathematical modeling. We hope to attract a wide audience of experts in the subject, and young scientists and graduate students interested in the analysis of nonlinear equations and group theoretical methods in particular.

Main Conference Topics:

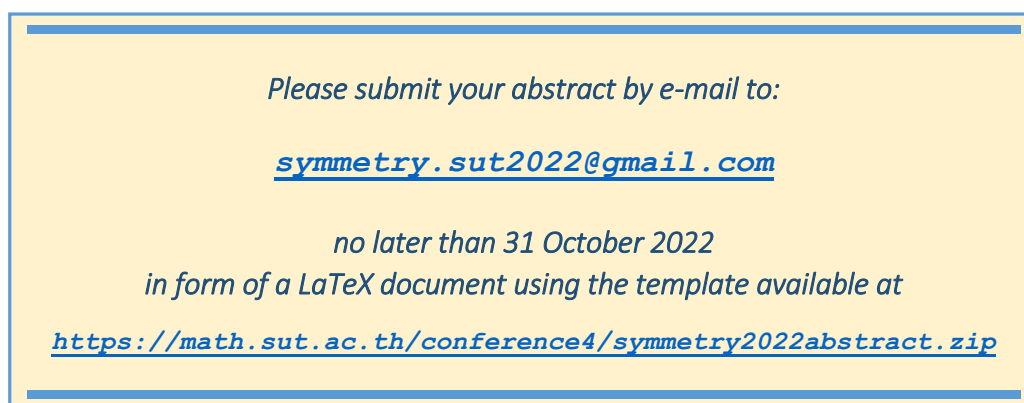
1. Symmetries of difference and differential and equations, with nonlocal terms as well
2. Methods of integration of systems of equations
3. Symmetries and conservation laws
4. Application of group analysis to new mathematical models and nonlinear problems.
5. Applications of analytical methods to problems in Science and Engineering.

Scientific Committee:

- Aptekarev, Alexander I.; Keldysh Institute of Applied Mathematics, Russian Academy of Sciences, Moscow, Russia
- Bluman, George W.; Department of Mathematics, University of British Columbia, Vancouver, BC V6T1Z2, Canada
- Dorodnitsyn, Vladimir A.; Keldysh Institute of Applied Mathematics, Russian Academy of Sciences, Moscow, Russia
- Ferapontov, Evgeny V.; Loughborough University, UK
- Filimonov, Mikhail Yu.; Institute of Mathematics and Mechanics, Russian Academy of Sciences, Yekaterinburg, Russia
- Gavriluk, Sergey L.; Institut Universitaire des Systèmes Thermiques Industriels, Marseille, France
- Grigoriev, Yurii N.; Institute of Computational Technologies, Russian Academy of Sciences, Novosibirsk, Russia
- Kuleshov, Andrey A., Moscow Center for Fundamental and Applied Mathematics, Russia
- Leach, Peter G.L.; Durban University of Technology, South Africa
- Luo, Albert; Southern Illinois University at Edwardsville, USA
- Meleshko, Sergey V.; Suranaree University of Technology, Thailand
- Moshkin, Nikolay P.; Lavrent'ev Institute of Hydrodynamics, Russian Academy of Sciences, Novosibirsk, Russia
- Moyo, Sibusiso; Stellenbosch University, South Africa
- Olver, Peter J.; University of Minnesota Twin Cities, USA
- Pukhnachev, Vladislav V.; Lavrent'ev Institute of Hydrodynamics, Russian Academy of Sciences, Novosibirsk, Russia
- Rogers, Colin; University of New South Wales, Sydney, Australia
- Saccomandi, Giuseppe; Università degli Studi di Perugia, Italy
- Schulz, Eckart; Suranaree University of Technology, Nakhon Ratchasima, Thailand
- Tanthanuch, Jessada; Suranaree University of Technology, Nakhon Ratchasima, Thailand
- Webb, Gary; University of Alabama in Huntsville, USA

Contributed Papers:

The conference organizers are inviting 20-30 minute oral presentations on research work related with the main conference topics. Contributed papers related with the general theory of differential equations are also welcome. *Abstracts of no more than 1 page in length should be submitted as early as possible, but not later than 31 October 2022* to be considered for inclusion in the conference program. *Notification of acceptance for presentation will be sent out within two weeks of receipt of the abstract.* The LaTeX abstract template can be found at <https://math.sut.ac.th/conference4/symmetry2022abstract.zip>. Abstract sub-mission is independent of registration.



Conference Proceedings:

It is planned to publish a conference proceedings volume through the Moscow Center of Fundamental and Applied Mathematics. Only papers presented at the conference will be published. Further details will be made available during the conference.

Registration and Conference Fees:

There is no registration fee. Participants wishing to present a paper need to register by 23 November 2022.

Accommodation:

Because of the university's location outside of the city of Nakhon Ratchasima, we recommend staying at the university hotel ("Surasammanakhan"). The hotel's standard rooms feature twin beds, and costs are about US\$45.- per night, single or double occupancy. Reservations can be made through the local conference organizers; please send you inquiry to symmetry.sut2022@gmail.com.

How to contact us:

The conference website <http://math.sut.ac.th/conference/> will be updated regularly to reflect the latest developments. For inquiries, or to submit your abstract, please send e-mail to symmetry.sut2022@gmail.com.

School of Mathematics
Institute of Science
Suranaree University of Technology
111 University Avenue
Nakhon Ratchasima 30000

สาขาวิชาคณิตศาสตร์
สำนักวิชาวิทยาศาสตร์
มหาวิทยาลัยเทคโนโลยีสุรนารี
111 ถ.มหาวิทยาลัย
ต.สุรนารี อ.เมือง จ.นครราชสีมา 30000

You may reach us by phone at:

08-6875-6424 (Sergey Meleshko)
08-2379-0375 (Eckart Schulz)

Please feel free to disseminate this information among your colleagues.

Cordially,

The Local Organizing Committee