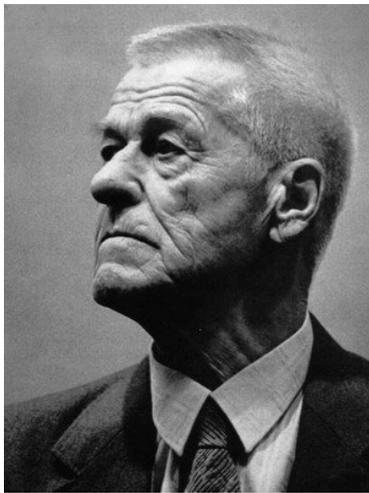


First Conference Announcement
and Call for Papers

Modern Treatment of Symmetries, Differential Equations
and Applications (Symmetry 2019)



Lev Vasilievich Ovsianikov
22 April, 1919--23 May 2014

January 14-18, 2019
Suranaree University of Technology
Nakhon Ratchasima, Thailand

Organized jointly by
School of Mathematics
Suranaree University of Technology

Institute for System Science and Department of Mathematics
Durban University of Technology

Lavrentyev Institute of Hydrodynamics,
Russian Academy of Sciences

Dear Friends, Colleagues and Researchers,

The year 2019 marks the 100th birthday of the prominent Russian mathematician and academician *Lev Vasilievich Ovsianikov* (1919-2014). We are thus organizing an international conference '*Modern Treatment of Symmetries, Differential Equations and Applications (Symmetry 2019)*' dedicated to his memory.

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 as well as young scientists and graduate students interested in the analysis of nonlinear equations and group theoretical methods.

Main Conference Topics:

1. Symmetries of differential and equations with nonlocal terms
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.

Contributed Papers:

The conference organizers are encouraging 20-30 minute oral presentations on research work related with the main conference topics. Abstracts of no more than 1 page in length should be submitted as early as possible, but not later than 15 November 2018 to be considered for inclusion in the conference program. Notification of acceptance for presentation will be sent out within one month of receipt of the abstract. The LaTeX abstract template can be found at <http://math.sut.ac.th/conference/abstract.zip>.

Conference Proceedings:

It is planned to publish conference proceedings in a dedicated volume of the AIP Conference Proceedings after conclusion of the conference. Only papers presented at the conference will be published; papers will be peer-reviewed and limited to six pages each.

Scientific Committee:

- Andreev, Victor K.; *Institute of Computational Modelling, Russian Academy of Sciences, Krasnoyarsk, Russia*
- Conte, Robert; *Ecole Normale Supérieure de Cachan, France*
- Ferapontov, Evgeny V.; *Loughborough University, UK*
- Gavriluk, Sergey L.; *Institut Universitaire des Systèmes Thermiques Industriels, Marseille, France*
- Golovin, Sergey V.; *Lavrentyev Institute of Hydrodynamics, Russian Academy of Sciences, Novosibirsk, Russia*
- Ibragimov, Nail H.; *Blekinge Institute of Technology, Karlskrona, Sweden*
- Leach, Peter G.L.; *University of KwaZulu-Natal, South Africa*
- Luo, Albert; *Southern Illinois University, USA*
- Makarenko, Nikolai I.; *Lavrentyev Institute of Hydrodynamics, Russian Academy of Sciences, Novosibirsk, Russia*
- Meleshko, Sergey V.; *Suranaree University of Technology, Thailand*
- Moyo, Sibusiso; *Durban University of Technology, South Africa*
- Olver, Peter J.; *University of Minnesota, Twin Cities, USA*
- Pukhnachov, Vladislav V.; *Lavrentyev Institute of Hydrodynamics, Russian Academy of Sciences, Novosibirsk, Russia*
- Rogers, Colin; *University of New South Wales, Australia*
- Saccomandi, Giuseppe; *Università degli Studi di Perugia, Italy*
- Sattayatham, Pairote; *Suranaree University of Technology, Thailand*
- Schulz, Eckart; *Suranaree University of Technology, Thailand*
- Winternitz, Pavel; *University of Montreal, Canada*

Conference Fees:

US\$ 250.-	early bird for conference participants giving an oral presentation (includes publication in the conference proceedings)
US\$ 300.-	for conference participants giving an oral presentation (includes publication in the conference proceedings)
US\$ 200.-	for conference participants not giving an oral presentation
US\$ 150.-	for accompanying persons

The conference fees cover local transportation within the conference site, lunches, dinners and coffee breaks during the conference, the banquet and the excursion. Late registration (after the regular registration date of 15. December 2018) and on-site registration will incur an additional charge of US\$50.- per person.

Registration is only complete once the conference fee has been received by the organizers.

Important Deadlines:

Abstract submission deadline:	15. November 2018
Early bird registration:	1. October 2018
Regular registration:	15. December 2018
Submission of papers for the Conference Proceedings:	28. February 2019
Referee report:	31. March 2019
Submission of camera-ready papers:	31. May 2019

Accommodation:

Because of the university's location outside of the city of Nakhon Ratchasima, we strongly recommend staying at the university's hotel ("Surasammanakhan"). The hotel's standard rooms feature twin beds, and costs are about US\$45.- per night, single or double occupancy. We have pre-reserved a limited number of rooms at the hotel at a special discount of about 25% which must be reserved through the conference organizers and secured by payment of the registration fee no later than the regular registration date of 15. December 2018. After this date, participants will need to contact the hotel directly for room reservations.

Transportation:

Bangkok is Thailand's main port of entry. The main airport ("Suvarnabhumi", BKK) is served by all major international airlines. The secondary airport ("Don Mueang", DMK) is served by Asian Low Cost airlines. January is high season for international travel to Thailand; thus early airline reservation is advised.

Because Bangkok is located only 250km away, there are no scheduled flights to Nakhon Ratchasima. There is twice-hourly bus service from Bangkok's Northern/Northeastern Bus

Station to Nakhon Ratchasima at about US\$10.-. Alternatively, one may charter a taxi at Bangkok's airport at a cost of about US\$120.-

About the Conference Site:

Suranaree University of Technology (<http://www.sut.ac.th/2012/en/>) was founded in 1989 as the first Thai autonomous public university. It is located about 20km from the center of the city of Nakhon Ratchasima. The university focuses on graduate and undergraduate programs in engineering, medicine and health science, agriculture and the sciences. The campus houses Thailand's Synchrotron Light Research Institute and the Regional Observatory.

The province of Nakhon Ratchasima with its capital of the same name is located about 250km to the northeast of Bangkok. It is a busy merchant town well connected by road to Bangkok and the country's main seaports, and thus is the main gateway to the northeast of Thailand. While agriculture and the processing of agricultural products are still the mainstay of the province's economy, a substantial number of international companies have set up manufacturing facilities in the province during the last two decades. A large area of the Dong Phrayayen-Khao Yai Forest Complex – A UNESCO World Heritage Site consisting of four national parks and a wildlife reserve – covers the southern part of the province.

The climate during the month of January is dry, sunny and moderately hot. January daytime highs are in the 28°C-34°C range, while nightly lows are mostly in the 15°C-20°C range.

How to Contact:

Further information on conference details and registration and payment modalities will be made available with the Second Conference Announcement by mid-August.

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 e-mail to symmetry.2019@gmail.com.

Please feel free to disseminate this information among your colleagues.

Cordially,

The Organizing Committee