

50th Seminar Sophus Lie

Banach Center, Będlewo (POLAND),

September 25 – October 1, 2016

First Announcement

Aims and scope: The Seminar “Sophus Lie” is an international seminar of mathematicians interested in the theory of Lie groups, Lie algebras and their wider horizon. The jubilee 50th workshop will be held in the Mathematical Research and Conference Center in Będlewo (Poland) within the period September 25 – October 1, 2016.

The goal of the workshop is to bring together leading experts working in currently particularly active areas of Lie theory, thus continuing with the main stream of activities of Seminar Sophus Lie. We also want to include promising students and young researchers, and to create an open learning environment for a fruitful exchange of ideas with the goal of creating new visions and collaborations between experts and students alike. Accordingly, we prefer not to concentrate only on the newest results in a narrow area, but rather include survey lectures and comparative study of various ideas and methods.

The main topics of the conference are:

1. Representation theory.
2. Microlocal techniques and dynamical systems.
3. Deformations of algebraic and related geometric structures.
4. Lie systems: generalizations and applications.

Conference place: The Mathematical Research and Conference Center in Będlewo (MRCC) is the conference place of the Banach Center – a part of the Institute of Mathematics of the Polish Academy of Sciences. The main goal of the MRCC is to organize conferences and workshops devoted to various subjects of mathematics, and to create an atmosphere fostering research in groups. The MRCC serves as a place for scientific meetings supported and/or accepted by the Banach Center, and if space allows, it is also accessible to groups of scientists representing other fields, or individuals looking for a friendly place to do research.

More information about the Conference Center in Będlewo can be found on the web page of the center: <http://www.impan.pl/en/activities/bedlewo-conference-center/about-center> .

Registration: Participants are kindly asked to use the registration form on the page <http://50sls.impan.pl/files/registration.php> .

The deadline for the first round of registration is **April 30, 2016**.

Late registration (after the deadline) will be possible within the limits of places available in the conference center but with conference fee increased. Participants willing to present a short contribution or poster should state it during the registration and send an abstract by e-mail (50SeminarLie@gmail.com) not later than the registration deadline. Due to the special character of the workshop and long list of invited speakers, there is only a limited time for short communications; the Scientific Committee will make a selection.

Conference fee: The conference is partially supported by the Banach Center, the Warsaw Center of Mathematics and Computer Science, the University of Luxembourg, the European Mathematical Society, and the Humboldt Foundation. The conference fee is estimated to **150 EUR** (or equivalent in **PLN**) for participants registered by **April 30, 2016**. Late registration conference fee is estimated to **250 EUR** (or equivalent in **PLN**), as well as the accommodation of accompanying persons. These numbers are preliminary and will be fixed after the deadline of registration. The conference fee will cover the accommodation (full-board) of participants in Będlewo and social events (conference dinner, excursion). Participants are kindly requested to cover the travel expenses from their own sources.

The conference fee can be paid in cash upon arrival. There is also a possibility of paying by bank transfer. Participants willing to make a bank transfer should state it during the registration process. The details of the bank transfer will be sent to such persons by e-mail.

Additional information: More information about the conference can be found on the web page <http://50sls.impan.pl/index.html>. The Conference program and schedule, the list of participants, and the travel information will appear there gradually.

Scientific and Organizing Committee:

- Alice Fialowski (Budapest)
- Janusz Grabowski (Warsaw)
- Joachim Hilgert (Paderborn)
- Kenji Iohara (Lyon)
- Karl-Hermann Neeb (Erlangen)
- Martin Schlichenmaier (Luxembourg)

List of invited speakers (to be confirmed):

- **EMS Distinguished Lecturer:** Ernest B. Vinberg (Moscow)
- Anton Alekseev (Switzerland)
- Alexander Alldridge (Germany)
- Dorothea Bahns (Germany)
- Wolfgang Bertram (France)
- Jose F. Cariñena (Spain)
- Jaques Faraut (France)
- Alfred M. Grundland (Canada)
- Karl Heinrich Hofmann (Germany)
- Madeleine Jotz Lean (England)
- Peter Michor (Vienna)
- Gestur Olafsson (USA)
- Bent Ørsted (Denmark)
- Angela Pasquale (France)
- Anke Pohl (Germany)
- Hadi Salmasian (Canada)
- Henrik Schlichtkrull (Denmark)
- Pavel Winternitz (Canada)

In case of any questions please contact the **Local Organizing Committee:**

- Katarzyna Grabowska (konieczn@fuw.edu.pl)
- Michał Józwickowski (mjozwickowski@impan.pl)
- Javier de Lucas (javier.de.lucas@fuw.edu.pl)
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- Aleksander Strasburger (aleksander_strasburger@sggw.pl)