

# Summer school and Workshop on the Casimir Effect: Theory and Applications

June 11 – 16, 2018, at NTNU, TRONDHEIM, NORWAY



The central part of the meeting will be lectures aiming at the level of general Ph.D. students in physics. The school will be organized from Wed-Sat (Jun 13-16).

Topics covered will be-

- Casimir physics: Theoretical background
- Casimir effect in the cosmological context
- Dispersion forces and their applications in surface physics
- Density functional theory and its applications in colloids and vdW interactions
- Theoretical and experimental outlook for Casimir physics

The number of student participants is expected to be between 15-20.

(Refer funding information on the website.)

<https://www.ntnu.edu/casimirws2018>

## Lecturers

Kristian Berland  
Iver Brevik  
Emilio Elizalde  
Johan Høye  
Eduardo Lima  
Kimball Milton  
Sergei Odintsov  
George Palasantzas  
Drew Parsons  
Serge Reynaud  
Aram Saharian

A two-day workshop will be held on Monday and Tuesday (Jun 11-12), where senior researchers will present their recent research.

## Workshop speakers (confirmed)

Kristian Berland (UiO, Norway)  
Michael Bordag (Leipzig Univ., Germany)  
Mathias Boström (NTNU, Norway)  
Iver Brevik (NTNU, Norway)  
Johannes Fiedler (UiO, Norway)  
Johan Høye (NTNU, Norway)  
Eduardo Lima (UERJ, Brazil)  
Bing -S. Lu (NTU, Singapore)  
Kimball Milton (OU, USA)  
Sergei Odintsov (CSIC - ICE, Spain)  
Prachi Parashar (NTNU, Norway)  
Drew Parsons (Murdoch Univ., Australia)  
Serge Reynaud (LKB, CNRS, France)  
Aram Saharian (Yerevan Univ., Armenia)  
K. V. Shajesh (SIUC, USA)  
Priyadarshini Thiyam (KTH, NTNU)



## Contacts:

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