

Location

This year's spring workshop will be held at Jacobs University Bremen. Jacobs University is a small private research university with students from over a hundred different nations. The primary language of instruction and campus communication is English.

The workshop takes place in the ICC Conference Room in the Campus Center (that is the central building with the small pond in front). The address of the workshop is:

Jacobs University Bremen, Campus Ring 1, 28759 Bremen
<https://www.jacobs-university.de/>

Directions

By public transport

By train:

Trains run every 15-30 minutes from Bremen main station (Hbf) to Bremen-Schönebeck Station (direction: Vegesack).

By bus or tram:

Busses 87, 94 and 95 connecting Burg and Vegesack stations stop close to campus.

Timetables can be found at:

www.verkehrsmittelvergleich.de/fahrplan/bremen-schoenebeck

www.bsag.de/de/unternehmen.html

By car

If you are traveling by car, please follow the directions at <https://www.jacobs-university.de/campus-map-directions>

By plane

Flights to and from Bremen airport (BRE) can be found at <http://airport-bremen.de/>

Participating Universities



Participating Institutes



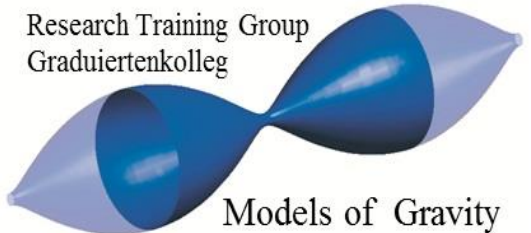
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Spring Workshop 2018



19.– 20.02.2018
Jacobs University
Bremen

Monday, 19.02.2018

09:30 – 12:30 Session One

- 09:30 - 10:00 Coffee and Welcome
- 10:00 - 10:30 **Eugenia Boffo** (Jacobs University Bremen)
"Generalized Geometry in Gravity"
- 10:30 - 11:00 **Marvin Pinkwart** (Jacobs University Bremen)
"Quantum Geometry in Cosmology"
- 11:00 - 11:30 *Coffee*
- 11:30 - 12:30 **Sergey Solodukhin** (University of Tours/CERN)
"The quantum fate of black hole horizons"
- 12:30 - 14:00 Lunch and RTG student assembly (election of the new representative)

14:00 – 17:30 Session Two "GW170817 and its implications"

- 14:00 – 15:00 **Filippo Vernizzi** (CEA Saclay)
"Dark energy and modified gravity before and after GW170817"
- 15:00 - 15:30 *Coffee*
- 15:30 - 16:30 **Tim Dietrich** (Nikhef/Amsterdam)
"A Multimessenger Picture of GW170817"
- 16:30 - 17:30 **Tessa Baker** (University of Oxford)
"Tests of Gravity with Gravitational Waves and Cosmology"

19:00 **Dinner at Ratskeller Bremen**

Tuesday, 20.02.2018

09:45 – 12:30 Session Three

- 09:45 - 10:30 **Lenin Escamilla** (UNAM)
"Tsallis non-extensive statistical mechanics of the self-gravitating gas"
- 10:30 - 11:15 **Zahra Motahar** (University of Oldenburg)
"I-C universal relation of the scalarized rotating neutron stars with various realistic equations of state"
- 11:15 - 11:45 *Coffee*
- 11:45 - 12:30 **Christine Gruber** (HWK/University of Oldenburg)
"The zeroth law of black hole thermodynamics revisited"
- 12:30 - 14:00 Lunch and RTG Board Meeting

14:00 – 17:15 Session Four

- 14:00 – 15:00 **Marco Zagermann** (DESY/Hamburg)
"String Theory Vacua with Positive Cosmological Constant"
- 15:00 - 15:30 *Coffee*
- 15:30 - 16:30 **Diederik Roest** (University of Groningen)
"Symmetries and soft limits: from scalars to gravity"
- 16:30 – 16:45 *Coffee*
- 16:45 – 17:15 RTG General Assembly

Campus Map



Dinner location

Ratskeller Bremen
www.ratskeller.de
Am Markt, 28195 Bremen