

## **Session Program**

**23-26 Sept 2019**



# **The 6th Conference of the Polish Society on Relativity**

## ***Plenary Session***

Other Institutes  
Maritime Academy, Wały Chrobrego 1-2, Szczecin, Poland

# Monday 23 September

09:30

## Plenary Session: Lecture 1 - Massimo Tinto, "Space-based gravitational wave observations in the mid-band frequency region"

**Session** | **Location:** Other Institutes, Maritime Academy, Wały Chrobrego 1-2, Szczecin, Poland | **Convener:** Prof. Marius P. Dabrowski

09:30–10:15

### Space-Based Gravitational Wave Observations in the Mid-Band Frequency Region

#### Speaker

Dr Massimo Tinto

10:15

10:15

## Plenary Session: Lecture 2 - Jacques Delabrouille, "Constraining gravitation with CMB observations"

**Session** | **Location:** Other Institutes, Maritime Academy, Wały Chrobrego 1-2, Szczecin, Poland | **Convener:** Prof. Marius P. Dabrowski

11:00

11:30

## Plenary Session: Lecture 3 - Jose Antonio Font, "Universal relations for gravitational-wave asteroseismology of proto-neutron stars"

**Session** | **Location:** Other Institutes, Maritime Academy, Wały Chrobrego 1-2, Szczecin, Poland | **Convener:** Prof. Marius P. Dabrowski

12:15

12:15

## Plenary Session: Lecture 4 - Masaru Shibata, "Merger and mass ejection for neutron star binaries"

**Session** | **Location:** Other Institutes, Maritime Academy, Wały Chrobrego 1-2, Szczecin, Poland | **Convener:** Prof. Marius P. Dabrowski

12:15–13:00

### Merger and mass ejection of neutron star binaries (tentative)

#### Speaker

Masaru Shibata

13:00

## Tuesday 24 September

09:00

### Plenary Session: Lecture 5 - Jorge Pullin, “Loop quantum gravity: developments and recent results”

**Session** | **Location:** Other Institutes, Maritime Academy, Wały Chrobrego 1-2, Szczecin, Poland | **Convener:** Marek Biesiada

09:00–09:45

#### Loop quantum gravity: developments and recent results

##### Speaker

Prof. Jorge Pullin

09:45

09:45

### Plenary Session: Lecture 6 - Joseph Conlon, “String Compactifications and the Swampland”

**Session** | **Location:** Other Institutes, Maritime Academy, Wały Chrobrego 1-2, Szczecin, Poland | **Convener:** Marek Biesiada

10:30

11:00

### Plenary Session: Lecture 7 - Jan de Boer, “Gravity and quantum information”

**Session** | **Location:** Other Institutes, Maritime Academy, Wały Chrobrego 1-2, Szczecin, Poland | **Convener:** Marek Biesiada

11:45

11:45

### Plenary Session: Lecture 8 - Tsvi Piran “Lessons from GW170817, what did we see, what caused it and what can we expect in the coming future”

**Session** | **Location:** Other Institutes, Maritime Academy, Wały Chrobrego 1-2, Szczecin, Poland | **Convener:** Marek Biesiada

12:30

## Wednesday 25 September

09:00

### Plenary Session: Lecture 9 - S. Capozziello, "Cosmography as a tool to discriminate between modified gravity and dark energy"

**Session** | **Location:** Other Institutes, Maritime Academy, Wały Chrobrego 1-2, Szczecin, Poland | **Convener:** Vincenzo Salzano

09:00–09:45

### Cosmography as a tool to discriminate between modified gravity and dark energy

#### Speaker

Prof. Salvatore Capozziello

09:45

09:45

### Plenary Session: Lecture 10 - Hermann Nicolai, "K(E10) and Standard Model Physics"

**Session** | **Location:** Other Institutes, Maritime Academy, Wały Chrobrego 1-2, Szczecin, Poland | **Convener:** Vincenzo Salzano

10:30

## Thursday 26 September

09:00

### Plenary Session: Lecture 11 - Raymond Vivien, "Gravitational Waves Observations by LIGO and Virgo"

**Session** | **Location:** Other Institutes, Maritime Academy, Wały Chrobrego 1-2, Szczecin, Poland | **Convener:** Edward Malec

09:00–09:45

#### Gravitational Waves Observations by LIGO and Virgo

##### Speaker

Vivien Raymond

09:45

09:45

### Plenary Session: Lecture 12 - Yongge Ma, "Loop quantum scalar-tensor gravity and its cosmological implication"

**Session** | **Location:** Other Institutes, Maritime Academy, Wały Chrobrego 1-2, Szczecin, Poland | **Convener:** Edward Malec

10:30