

**Session Program**

**13-17 Jul 2026**

**The Sixth Zeldovich meeting**

***Observations across electromagnetic  
spectrum: from gamma to radio***

ICRANet, Pescara, Italy  
Piazza della Repubblica, 10, Pescara, Italy

## Tuesday 14 July

09:00

### Observations across electromagnetic spectrum: from gamma to radio

**Session** | **Location:** ICRANet, Pescara, Italy, Piazza della Repubblica, 10, Pescara, Italy

09:00-09:35

#### Gamma-ray bursts, fast X-ray transients, and fast radio bursts: an exciting era of multi-wavelength, multi-messenger, transient astrophysics

**Speaker**

Bing Zhang

09:35-10:10

#### Galileo, Hertz and the "Time Frontier"

**Speaker**

Prof. DI LI

10:10-10:45

#### SRG/eROSITA all-sky survey results in the Eastern Galactic hemisphere

**Speaker**

Prof. Marat Gilfanov

10:45-11:15

#### Coffee break

11:15-11:50

#### 20 years of testing GR with the Double Pulsar

**Speaker**

Marta Burgay

11:50-12:25

#### X-ray polarimetry of black hole X-ray binaries - results and models

**Speaker**

Vadzim Krautsou

12:25-13:00

#### The Global MASTER Network and the Scenario Machine: Discovery and Interpretation of the Third Optically Super-Luminous GRB in XXI century

**Speaker**

Prof. Vladimir Lipunov

13:00

# Wednesday 15 July

15:00

## Observations across electromagnetic spectrum: from gamma to radio

**Session** | **Location:** ICRANet, Pescara, Italy, Piazza della Repubblica, 10, Pescara, Italy | **Convener:** Remo Ruffini

### 15:00–15:35 The Northern Cross Fast Radio Burst project

**Speaker**

Maura Pilia

### 15:35–16:10 GRB-SN Association within the Binary-Driven Hypernova Model

**Speaker**

Dr Yerlan Aimuratov

16:10–16:30

### Dark Hydrogenic Atoms and Ions as Baryonic Dark Matter and their Role in Structure Formation

**Speaker**

Eugene Oks

### 16:30–16:45 Coffee break

16:45–17:00

### X-ray and gamma-ray radiation from a high-temperature plasma and the spectra of accreting black holes

**Speaker**

Sergei Grebenev

### 17:00–17:15 Black hole shadows as diagnostics of nonlinear electrodynamics

**Speaker**

Dr Bobir Toshmatov

### 17:15–17:30 The Higgs vacuum and the Cosmological Constant

**Speaker**

Muhammad Usman

17:30–17:45

### Significant correlation between optical activity of blazars and high-energy IceCube neutrino events

**Speaker**

Kirill Zhirkov

17:45–18:00

### Spontaneous creation/annihilation of pairs of particles in selected cosmological models –evolution of a vacuum state

**Speaker**

Prof. Andrzej Radosz

18:00