



# PHAROS Conference 2020: The multi-messenger physics and astrophysics of neutron stars

## Monday, 30 March 2020

### Invited Talks - Room 1 (09:00 - 11:00)

time	[id] title	presenter
09:00	[1] A NICER view of neutron stars (Invited)	Prof. MILLER, Cole
09:30	[19] Magnetic-field evolution in the presence of superconductivity	LANDER, Sam
10:00	[21] How giant magnets shine and slowly fade away (Invited)	VIGANÒ, Daniele
10:30	[49] Magnetars and other classes of Isolated neutron stars in X-rays (Invited)	Prof. SILVIA, Zane

# Tuesday, 31 March 2020

## Invited Talks - Room 1 (09:00 - 11:00)

time	[id] title	presenter
09:00	[177] Kinetic simulations of pulsar magnetospheres (Invited)	Mr SPITKOVSKY, Anatoly
09:30	[24] A new look at the high-energy emission in pulsars from kinetic plasma simulations (Invited)	CERUTTI, Benoit
10:00	[115] Probing the interior of transiently accreting neutron stars (Invited)	Dr DEGENAAR, Nathalie
10:30	[138] Crust structure and thermal evolution of neutron stars in soft X-ray transients (Invited)	Dr POTEKHIN, Alexander

# Wednesday, 1 April 2020

## Invited Talks - Room 1 (09:00 - 11:00)

time	[id] title	presenter
09:00	[185] Neutron star EOS constraints through gravitational-wave observations (Invited)	Prof. STERGIOULAS, Nick
09:30	[55] Modelling multimessenger signals from compact binary mergers (Invited)	PEREGO, Albino
10:00	[186] Neutron star mergers across the electromagnetic spectrum	TROJA, ELEONORA
10:30	[91] Radio emission as a probe for pulsar magnetospheres (Invited)	Dr WELTEVREDE, Patrick

# Thursday, 2 April 2020

## Invited Talks - Room 1 (09:00 - 11:00)

time	[id] title	presenter
09:00	[131] Superfluidity and Superconductivity in Neutron Stars (Invited)	Prof. ALPAR, Mehmet Ali
09:30	[71] The rotational dynamics of young, isolated pulsars (Invited)	ANTONOPOULOU, Danai
10:00	[179] What happened during 2016 Vela glitch? (Invited)	LEVIN, Yuri
10:30	[25] The Fast Radio Burst Phenomenon (Invited Review Talk)	Dr CALEB, Manisha

## Friday, 3 April 2020

### Invited Talks - Room 1 (09:00 - 10:30)

time	[id] title	presenter
09:00	[73] Populations of Neutron Stars (Invited)	Dr LEVIN PRESTON, Lina
09:30	[13] The Hadronic Equation of State for Neutron Stars (Invited Review Talk)	Dr TOLOS, Laura
10:00	[128] Resonant Shattering Flares as Multimessenger Probes of Neutron Star Physics (Invited)	Dr TSANG, David