

NORDIC NEUTRON STARS
AARHUS INSTITUTE OF ADVANCED STUDIES (AIAS)
MAY 11-15, 2020

<http://aias.au.dk/events/nordic-neutron-stars/>

PRELIMINARY PROGRAM II

Invited talks = 30 min (25+5 min)

Contributed talks = 15 min (12+3 min)

Be strict on time! :-)

Please, send a **title** and a short **abstract** to Thomas Tauris by March 1 (**ASAP!**)

Monday

Millisecond Pulsars (and their applications)

Session I (chair: Paulo Freire)

09:00 Welcome by AU, AIAS, Tauris, LOC (30 min)

09:30 Daily SOC topic appetizer (Paulo Freire, 5 min)

09:35 Matthew Bailes (30 min)

10:05 Michael Kramer (30 min)

10:35 Vicky Kaspi (30 min)

11:05 Coffee break

Session II (chair: Vicky Kaspi)

11:30 Paulo Freire (30 min)

12:00 David Kaplan (30 min)

12:30 Ren Breton (15 min)

12:45 John Antoniadis (15 min)

13:00 Lunch

Session III (chair: Michael Kramer)

14:00 Jason Hessels (30 min)

14:30 Marten van Kerkwijk (30 min)

15:00 Emilie Parent (15 min)

15:15 Alessandro Ridolfi (15 min)

15:30 Coffee break

Session IV (chair: Marten van Kerkwijk)

16:00 Lijing Shao (15 min)

16:15 Vivek Venkatraman (15 min)

16:30 Discussions (30 min.)

17:00 Reception

Tuesday

Supernovae (progenitors and fate) + excursion @ 15:30 (Den Gamle By)

Session V (chair: Maria Drout)

09:00 Daily SOC topic appetizer (Maria Drout, 5 min)

09:05 Mansi Kasliwal (30 min)

09:35 Alexander Heger (30 min)

10:05 Philipp Podsiadlowski (30 min)

10:35 Takashi Moriya (30 min)

11:05 Coffee break

Session VI (chair: Bernhard Müller)

11:30 Maria Drout (30 min)

12:00 Hans-Thomas Janka (30 min)

12:30 Max Stritzinger (15 min)

12:45 Irene Tamborra (15 min) - **cancelled**

13:00 Lunch

Session VII (chair: Mansi Kasliwal)

14:00 Chris Fryer (30 min)

14:30 Bernhard Müller (30 min)

15:00 Norbert Langer (30 min)

15:30 Excursion (Den Gamle By / Old Town)

Wednesday

X-ray Binaries (accretion, recycling and ULXs)

Session VIII (chair: Cole Miller)

09:00 Daily SOC topic appetizer (Cole Miller, 5 min)

09:05 Gianluca Israel (30 min)

09:35 Nathalie Degenaar (30 min)

10:05 Xiang Dong-Li (30 min)

10:35 Tom Maccarone (15 min)

10:50 Hailiang Chen (15 min)

11:05 Coffee break

Session IX (chair: Nathalie Degenaar)

11:30 Cole Miller (30 min)

12:00 Luigi Stella (30 min)

12:30 Jerome Chenevez (15 min)

12:45 Tassos Fragos (15 min)

13:00 Lunch

Session X (chair: Ed van den Heuvel)

14:00 Melvyn Davies (30 min)

14:30 Ross Church (15 min)

14:45 Abbas Asgar (15 min)

15:00 Sylvain Chaty (15 min)

15:15 Nils Andersson (15 min)

15:30 Coffee break

Session XI (chair: Nils Andersson)

16:00 Ed van den Heuvel (30 min) - historic review on neutron star X-ray binaries

16:30 Chris Pethick (30 min) - historic review on neutron star equation-of-state

Thursday

**GW sources (LIGO and LISA) + excursion @ 14:00 Moesgaard Museum
+ conference dinner**

Session XII (chair: Monica Colpi)

09:00 Daily SOC topic appetizer (Monica Colpi, 5 min)

09:05 Ilya Mandel (30 min)

09:35 Chris Belczynski (30 min)

10:05 Michela Mapelli (30 min)

10:35 Matthias Kruckow (15 min)

10:50 Alessandra Papa (15 min)

11:05 Coffee break

Session XIII (chair: Michela Mapelli)

11:30 Monica Colpi (30 min)

12:00 Katelyn Breivik (30 min.)

12:30 Michael Zevin (30 min.)

13:00 Lunch

14:00 Excursion (Moesgaard Museum)

19:00 Conference dinner

Friday

Mergers (final inspiral, tides, sGRB, r-processes, kilonova)

Session XIV (chair: Stephan Rosswog)

09:00 Daily SOC topic appetizer (Stephan Rosswog, 5 min)

09:05 Samaya Nissanke (30 min)

09:35 Tsvi Piran (30 min)

10:05 Luciano Rezzolla (30 min)

10:35 Tim Dietrich (30 min)

11:05 Coffee break

Session XV (chair: Wen-Fei Fong)

11:30 Stephan Rosswog (30 min)

12:00 Alessandra Buonanno (30 min)

12:30 Andreas Bauswein (30 min)

13:00 Lunch

Session XVI (chair: Samaya Nissanke)

14:00 Edo Berger (30 min)

14:30 Wen-Fei Fong (15 min)

14:45 Jennifer Barnes (15 min)

15:00 Enrico Ramirez-Ruiz (15 min)

15:30 Daniele Malesani (15 min)

15:30 Coffee break

Session XVII (chair: Tsvi Piran)

16:00 Kenta Hotokezaka (30 min)

16:30 TBC (15 min)

16:45 Closing remarks (Tauris) (15 min)

17:00 End