

## **Session Program**

**1-5 Jul 2019**



# **The Beginnings and Ends of Double White Dwarfs**

## **The Beginning and Ends of Double White Dwarfs**

### ***Short-period Binaries & Gravitational Waves***

Geological Museum, Main Auditorium  
Øster Voldgade 5-7 DK-1350 Copenhagen

## Tuesday 2 July

09:30

### Short-period Binaries & Gravitational Waves: Finding short-period binaries

**Session** | **Location:** Geological Museum, Main Auditorium, Øster Voldgade 5-7 DK-1350 Copenhagen |

**Convener:** Mukremin Kilic

09:30–10:05

#### Known double white dwarfs as LISA sources and the ZTF high-cadence Galactic Plane survey

**Speaker**

Thomas Kupfer

10:05–10:25

#### Uncovering the population of eclipsing double white dwarfs with ZTF

**Speaker**

Joannes van Roestel

10:25–10:45

#### The Shortest Period Eclipsing Binary

**Speaker**

Kevin Burdge

10:45

11:30

### Short-period Binaries & Gravitational Waves: Individual systems

**Session** | **Location:** Geological Museum, Main Auditorium, Øster Voldgade 5-7 DK-1350 Copenhagen |

**Convener:** Warren Brown

11:30–11:50

#### Finding compact binaries with KPED

**Speaker**

Dr Michael Coughlin

11:50–12:10

#### A 0.3% measurement of orbital decay in the 12.75-min WD+WD J0651+2844

**Speaker**

JJ Hermes

12:10–12:30

#### White Dwarf Tidal Interactions

**Speaker**

Anthony Piro

12:30

14:00

### Short-period Binaries & Gravitational Waves: LISA

**Session** | **Location:** Geological Museum, Main Auditorium, Øster Voldgade 5-7 DK-1350 Copenhagen |

**Convener:** Prof. Elena Maria Rossi

14:00–14:20

#### The evolutionary history of AM CVn binaries

**Speaker**

Matthew Green

14:20–14:40

#### Accreting White Dwarf Binaries as Gravitational Wave Sources

**Speaker**

Kyle Kremer

14:40-15:00

**Multi-messenger Galactic Astronomy with double white dwarfs**

**Speaker**

Valeriya Korol

15:00-15:20

**Constraining Galactic structure with the LISA white dwarf foreground**

**Speaker**

Dr Katelyn Breivik

15:20