

# Solar System Science S<sup>3</sup> Seminar 2020

## Wednesday 22 April 2020

13:15h – 13:45h

Student meeting

14:00h – 14:30h

Valentin Bickel

AI-driven analysis of lunar rockfalls

14:30h – 15:00h

Matthias Nieuwenhuis

The Distribution of Indigenous Lunar Water - An Experimental Approach

## Wednesday 27 May 2020

13:15h – 13:45h

Student meeting

14:00h – 14:30h

Jorge Pablo Lemos

Distribution and dynamics of cometary dust as seen from Rosetta

14:30h – 15:00h

Sudharshan Saranathan

The origins of bright features in a plage

## Wednesday 03 June 2020

14:00h – 14:30h

Simon Cloutier

Helioseismically constrained dynamo models of the Sun

14:30h – 15:00h

Dusan Vukadinovic

Radiative transfer in solar atmosphere: dealing with the missing opacity in the UV part of solar spectrum

15:00h – 15:30h

Philipp Löschl

Joint Magnetic Synoptic Maps with PHI & HMI

## Wednesday 24 June 2020

13:15h – 13:45h

Student meeting

14:00h – 14:30h

Daria Mokrytska

Internal Rotation of Lithium-rich Giants

14:30h – 15:00h

Jamie Gorman

Investigating the Origins of the Slow Solar Wind

## Wednesday 01 July 2020

14:00h – 14:30h

Juxhin Zhuleku

Relating the stellar X-ray emission to the surface magnetic flux in 3D MHD models

14:30h – 15:00h

Marius Pfeifer

Dust Particle Tracking at Comet 67P

## Wednesday 08 July 2020

14:00h – 14:30h

Sebastian Castellanos Durán

Superstrong magnetic fields in bright regions

14:30h – 15:00h

Daniel Krüger

Adaptive time integration methods for radiation hydrodynamics with applications to the simulation of solar-like pulsating stars

15:00h – 15:30h

Argiris Koumtzis

Global scale nonlinear force free Coronal magnetic field extrapolations

## Wednesday 15 July 2020

13:15h – 13:45h

Student meeting

14:00h – 14:30h

Rajees Uthayasegaram

A Numerical Analysis of Solar Spicules in Unipolar Magnetic Regions

14:30h – 15:00h

Jesper Tjoa

The formation of small planetesimals