

# The 6th "Seminar on Star Formation and Astrochemistry in Toruń" (SFAT)

organized by MA-LAB & TASQ teams,  
and the Center of Excellence in Astrophysics and Astrochemistry at NCU

January 24, 2020, Institute of Physics NCU Toruń  
lecture room no. 20

11:30 - 12:00 [Welcome coffee and snacks \(next to room no. 20\)](#)

12:00 - 12:30 "The icy Universe: experiments, observations, and models" Will Rocha  
(Niels Bohr Institute, University of Copenhagen)

12:30 - 13:00 "Searches for exoplanets, all we actually see are stars!" - Andrzej  
Niedzielski (Nicolaus Copernicus University in Torun)

13:00 - 13:30 "Long-range-corrected multiconfiguration density functional with the on-  
top pair density" - Michał Hapka (University of Warsaw)

13:30 - 14:30 [Lunch break at the Institute of Physics \(Atrium COK\)](#)

14:30 - 14:50 "Ortho- and para-H<sub>2</sub> in interstellar clouds" - Piotr Gnaciński (University of  
Gdansk)

14:50 - 15:10 "Connecting light and dark side of the universe" - Anna Durkalec (National  
Center for Nuclear Research, Warsaw)

15:10 - 15:30 "Cold dust in dust-rich galaxies observed with ALMA - a challenge for SED  
modeling routines" - Katarzyna Małek (National Center for Nuclear  
Research, Warsaw)

15:30 - 15:45 [Coffee break](#)

15:45 - 16:05 "Mars Desert Research Station in Utah, US - stay at the Martian base" -  
Natalia Zalewska (Space Research Center, Polish Academy of Sciences)

16:05 - 16:20 "How to take a photo of a forest - molecular spectroscopy with a frequency  
comb" - Grzegorz Kowzan (Nicolaus Copernicus University in Torun)

16:20 - 16:35 "Systematic studies of the interaction energies of open-shell non-covalent  
systems with interaction-type diverse data set" Katarzyna Madajczyk  
(Nicolaus Copernicus University in Torun)

16:35 - 16:50 "Star-forming main sequence for galaxies out to redshift 7" - Krzysztof  
Lisiecki (Nicolaus Copernicus University in Torun)

16:50 - 17:05 "Properties of evolved giants in symbiotic binaries" - Daniel Pieńkowski  
(Nicolaus Copernicus Astronomical Center, Warsaw)

16:45 [End of the official part of the meeting](#)