

**Workshop on
"Rossby waves and their implications for extreme weather and climate"**

Tuesday 3 December 2019

Institute for Atmospheric Physics
Johannes Gutenberg University
Becherweg 21, Mainz
5th floor, room 519

Agenda

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| 10:00 – 11:00 | Local Rossby Wave Packet properties: Seasonal Variability and their Role in Temperature Extremes (Georgios Fragkoulidis) |
| 11:00 – 12:00 | Disentangling the role of Rossby waves in shaping present-day and future heat waves over Europe (Andreas Fink) |
| 12:00 – 13:30 | <i>Joint lunch at the Baron (on campus)</i> |
| 13:30 – 14:30 | Dynamical precursors and decadal variability of extreme precipitation events over northern-central Italy (Federico Grazzini) |
| 14:30 – 14:45 | <i>Coffee break</i> |
| 14:45 – 15:45 | Waveguidability of a midlatitude jet in a barotropic model framework (Volkmar Wirth) |
| 16:45 – 16:45 | Understanding Heatwaves: a role for Atmospheric Waveguides (Rachel White; seminar) |
| 16:45 – 17:15 | Informal discussion with Rachel White |
| 17:15 – 17:30 | General discussion, closing remarks |
| 18:00 – | <i>Joint dinner in a restaurant downtown in Mainz</i> |

Notes:

1. The presentations should be about 30 minutes long, which then will be followed by 30 minutes discussion. Since this workshop is meant to be fairly informal, some of the discussion can actually be interspersed into the presentation (if the speaker allows so).
2. Rachel White will present her topic in the form of a slightly more formal colloquium presentation (45 minutes to 15 minutes discussion).
3. In addition to the five contributors, there will be participants from Karlsruhe and Mainz. There should be about 12 participants.