

# IGWoRS Meeting at Institut de Physique du Globe, Paris, 21-23 November 2022

## November 21 - Monday

|               |                          |  |
|---------------|--------------------------|--|
| 09:00 - 09:15 | Heiner <b>Igel</b>       | Welcome  |
| 09:15 - 10:00 | Ulrich <b>Schreiber</b>  | <i>Longterm stable inertial rotation sensing: The detection of the variations in the "Length of Day" (INVITED)</i>             |
| 10:00 - 10:40 | Andreas <b>Brotzer</b>   | <i>A Rotational Low Noise Model</i>  |
|               | Anjali <b>Dhabu</b>      | <i>Reduced Micropolar Theory: an alternative to model the Earth Medium and simulate earthquake ground motions?</i>             |
| 10:40 - 11:10 | Coffee Break             |  |
| 11:10 - 11:55 | Paul <b>Bodin</b>        | <i>Field Testing the QRS Rotational Seismometer for Geohazards and Scientific Monitoring (INVITED)</i>                         |
| 11:55 - 12:15 | Sabrina <b>Keil</b>      | <i>Comparing single-station 6C measurements and array measurements for seismic microzonation in Munich, Germany</i>            |
| 12:15 - 13:30 | Lunch Break              |  |
| 13:30 - 14:15 | David <b>Sollberger</b>  | <i>Machine Learning applied to 6C polarization analysis (INVITED)</i>  |
| 14:15 - 15:15 | Mohammad <b>Atif</b>     | <i>Finite-fault simulations for rotations and strains in the near-fault subjected to layered reduced micropolar half-space</i> |
|               | Dariusz <b>Nawrocki</b>  | <i>Estimating the site effect parameters from rotational and translational signals produced by anthropogenic seismicity.</i>   |
|               | Gizem <b>Izgi</b>        | <i>Validation of back azimuth estimates using 8 blueSeis-3A Rotational Sensors in an active source experiment</i>              |
| 15:15 - 16:00 | Coffee Break             |  |
| 16:00 - 16:45 | Philippe <b>Lognonne</b> | <i>Rotational seismic noise and signal on Mars (INVITED)</i>   |
| 16:45 - 17:30 | Felix <b>Bernauer</b>    | <i>6C sensing applied to structural health monitoring (INVITED)</i>  |
| from 18:00    |                          | <b>Icebreaker</b>  |

## November 22 - Tuesday

|               |                           |  |
|---------------|---------------------------|--|
| 09:00 - 09:45 | Pascal <b>Bernard</b>     | <i>High resolution optical seismometers and strainmeters at the end of long optical fibers for harsh environment in seismic and volcanic context (INVITED)</i> |
| 09:45 - 10:45 | Piotr <b>Bońkowski</b>    | <i>tbd</i>   |
|               | Zbigniew <b>Zembaty</b>   | <i>Application of rotation rate measurements for model updating of damaged reinforced concrete beams</i>   |
|               | Anna <b>Kurzych</b>       | <i>Recording of the rotational events in Poland – Time horizon &amp; Fascinating Future of Fiber-Optic Seismograph</i>   |
| 10:45 - 11:15 | Coffee Break              |  |
| 11:15 - 12:00 | Eva <b>Eibl</b>           | <i>Analysis of Volcano-seismicity on Etna using Rotational Sensor Data (INVITED)</i>   |
| 12:00 - 13:00 | Miguel <b>Santoyo</b>     | <i>A small-aperture seismic array for dynamic deformations northwest of the guerrero seismic gap, Mexico.</i>  |
|               | Nikos <b>Pnevmatikos</b>  | <i>tbd</i>   |
|               | Frederic <b>Guattari</b>  | <i>Latest development of FOG technology to fit seismology need</i>   |
| 13:00 - 14:00 | Lunch Break               |  |
| 14:00 - 14:45 | Alexandra <b>Mitchell</b> | <i>Tilt in Gravitational wave detectors (INVITED)</i>  |
| 15:00 - 17:00 |                           | <b>Poster Session</b>  |
| 17:00 - 18:00 |                           | <b>Penal Discussion:</b> Portable Rotation Sensing - Where to go from here?  |
| from 19:00    |                           | <b>Conference Dinner</b>   |

## November 23 - Wednesday

|               |                        |  |
|---------------|------------------------|--|
| 09:00 - 09:45 | Yann <b>Capdeville</b> | <i>Wavefield gradient measurements and small scale heterogeneities (INVITED)</i> |
| 09:45 - 10:30 | Wayne <b>Crawford</b>  | <i>Rotational signals and noise on ocean bottom seismometers (INVITED)</i>       |
| 10:30 - 11:00 | Coffee Break           |  |
| 11:00 - 12:00 |                        | <b>Final Discussion</b>  |