

# Seventh VieVS User-Workshop (September 14-15, 2016)

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The 7th VieVS User Workshop was held at the TU Wien (Vienna, Austria) from September 14 to 15, 2016 (Wednesday - Thursday).



## Workshop Program

At the workshop the VieVS 2.3 software will be introduced to the participants. The program consists of both, presentations about various VieVS features, as well as practical computer exercises.

The workshop program is available as [PDF}}preservefilenames::Program of the 7th VieVS User Workshop.pdf](#).

### Wednesday, 14.9.2016

- [Introduction to VLBI}}preservefilenames::WS16\\_VLBI\\_JBoehm.pdf](#) (Johannes Böhm)
- [Introduction to VieVS 2.3}}preservefilenames::WS16\\_VieVS\\_Introduction\\_Krasna.pdf](#) (Hana Krasna)
- Demonstration of processing with VieVS – simple session (Daniel Landskron)
- Vie\_INIT V2.3 (Daniel Landskron)
- [Vie\\_MOD V2.3}}preservefilenames::WS16\\_VieMod\\_Hellerschmied.pdf](#) (Andreas Hellerschmied)
- [Vie\\_LSM V2.3}}preservefilenames::WS16\\_vie\\_lsm\\_v23\\_Teke.pdf](#) (Kamil Teke)
- [Vie\\_SETUP V2.3}}preservefilenames::WS16\\_vie\\_setup\\_Girdiuk.pdf](#) (Plotting tools and data output) (Anastasiia Girdiuk)
- Creation of special files, OPT-files, detecting and solving problems (David Mayer)
  - [Talk}}preservefilenames::WS16\\_Special files, OPT-file and Problems\\_Mayer.pdf](#) & [Exercise}}preservefilenames::WS16\\_Exercise\\_important\\_files\\_Mayer.pdf](#)
- [Superstation and supersource files}}preservefilenames::WS16\\_Superstation\\_Krasna.pdf](#) – What

to do if a new station appears, new source is observed, etc. (exercise) (Hana Krasna)

- Processing intensive sessions (Armin Hofmeister)
  - [Talk}}preservefilenames::WS16\\_Intensives\\_Hofmeister.pdf](#) & [exercise}}preservefilenames::WS16\\_Intensives\\_exercise\\_Hofmeister.pdf](#)

## Thursday, 15.9.2016

- Vie\_SCHED V2.3 (David Mayer, Matthias Schartner)
  - [Talk}}preservefilenames::WS16\\_VieSched\\_Mayer.pdf](#) & [Exercise}}preservefilenames::WS16\\_Scheduling\\_exercise\\_Schartner.pdf](#)
- Vie\_SIM V2.3 (Lucia Plank)
  - [Talk}}preservefilenames::WS16\\_Vie\\_SIM\\_Plank.pdf](#) & [Exercise}}preservefilenames::WS16\\_Simulation\\_exercise\\_Plank.pdf](#)
- Vie\_GLOB V2.3 (global adjustment) (Hana Krasna)
  - [Talk}}preservefilenames::WS16\\_VieGlob\\_Krasna.pdf](#) & [exercise}}preservefilenames::WS16\\_VieGlob\\_exercise\\_Krasna.pdf](#)
- External tropospheric files and ray tracing}}preservefilenames::WS16\_External\_tropospheric\_files\_Hofmeister.pdf (Armin Hofmeister)
- Planned future development of VieVS}}preservefilenames::WS16\_Future\_JBoehm.pdf (Johannes Böhm)
- EOP and baseline length repeatability output (Anastasiia Girdiuk)
  - [Talk}}preservefilenames::WS16\\_EOP\\_bas\\_out\\_Girdiuk.pdf](#) & exercise
- Estimating a Celestial Reference Frame}}preservefilenames::WS16\_CRF\_Mayer.pdf (David Mayer)
- Scheduling to observations to satellites with VieVS - talk + demonstration (Andreas Hellerschmied)
- Monitoring sensitivity parameters for improved AUSTRAL VLBI}}preservefilenames::WS16\_Sensitivity\_Gruber.pdf (Jakob Gruber)
- Discussions on optimized parameterization of VLBI auxiliary parameters in least-squares adjustment of VieVS software}}preservefilenames::WS16\_parameterization\_of\_VLBI\_auxiliary\_parameters\_Emine.pdf (Emine Tanır Kayıkçı)

# Information for participants

## Venue

The workshop will take place at Technische Universität Wien, Gußhausstraße 27-29. Meeting point on September 14 is the EDV laboratory (room CA 03 34) on the 3rd floor next to stairway 2.

Google maps link: [klick!](#)

# Computing

For the practical VieVS exercises you will need a computer with MATLAB installed.

We can provide a computer for each participant. If you prefer to use your own notebook this is also possible.

## For the notebook users:

- We will provide the VieVS program and the required data on USB drives.
- Internet access via Wifi will be provided
- System requirements for VieVS
  - MATLAB (R2008a or later)
  - Should work with any operating system able to run MATLAB (tested on Windows and Linux)
  - About one GB of disc space

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Last update: **2016/09/20 09:55**

