

## Program of the 7<sup>th</sup> VieVS User Workshop

September 14 to 15, 2016  
TU Wien, Gusshausstraße 27-29,  
EDV laboratory – 3<sup>rd</sup> floor

### Wednesday 9:00 – 18:00

09:00-09:05	Welcome (Andreas Hellerschmied)
09:05-09:30	Introduction to VLBI (Johannes Böhm)
09:30-10:00	Introduction to VieVS 2.3 (Hana Krasna)
10:00-10:30	Coffee break
10:30-11:00	Demonstration of processing with VieVS – simple session (Daniel Landskron)
11:00-11:30	Vie_INIT V2.3 (Daniel Landskron)
11:30-12:00	Vie_MOD V2.3 (Andreas Hellerschmied)
12:00-13:30	Lunch break
13:30-14:00	Vie_LSM V2.3 - basics (Kamil Teke)
14:00-14:30	Vie_SETUP V2.3 (Plotting tools and data output) + exercise (Anastasiia Girdiuk)
14:30-15:30	Creation of special files, detecting and solving problems (talk) + Processing of a session with clock break, creating an OPT file, etc. (exercise) (David Mayer)
15:30-16:00	Coffee break
16:00-16:45	Superstation and supersource files – What to do if a new station appears, a new source is observed, etc. (exercise) (Hana Krasna)
16:45-17:30	Processing intensive sessions (exercise) (Armin Hofmeister)
18:30-open end	Dinner at Wieden Bräu (at your own expenses)

### Thursday 9:00 – 15:15

09:00-12:00	Extensions of VieVS: talks + practical exercises One coffee break in between
	<ul style="list-style-type: none"><li>• Vie_SCHED V2.3 + exercise (scheduling of VLBI sessions) (David Mayer + Matthias Schartner)</li><li>• Vie_SIM V2.3 + exercise (simulation and analysis) (Lucia Plank)</li><li>• Vie_GLOB V2.3 + exercise (global adjustment) (Hana Krasna)</li></ul>
12:00-13:30	Lunch break
13:30-14:00	External tropospheric files and ray tracing (Armin Hofmeister)
14:00-14:15	Planned future development of VieVS (Johannes Böhm)
14:15-14:30	EOP and baseline length repeatability output (talk + exercise) (Anastasiia Girdiuk)
14:30-14:45	Estimating a Celestial Reference Frame (David Mayer)
14:45-15:15	Scheduling of observations to satellites with VieVS (Andreas Hellerschmied)
15:15-15:30	Monitoring Sensitivity Parameters for Improved AUSTRAL VLBI (Jakob Gruber)

15:30-15:45

Discussions on optimized parameterization of VLBI auxiliary parameters in least-squares adjustment of VieVS software (Emine Tanır Kayıkçı)

**Friday 9:00 – 14:00**

09:00-14:00

Correlation tutorial (Jamie McCallum)