

**Thursday, July 17<sup>th</sup>**

08:45-10:15	FLoC Panel	<i>Nina Amla, Georg Gottlob, Falk Reckling, Sweitze Roffel and Andrei Voronkov</i> <b>Publication Models in Computing Research: Is a Change Needed? Are We Ready for a Change?</b>
10:15-10:45	Coffee Break (in the Gußhausstraße building (E1))	
10:45-11:45	Invited Talk	<i>Michael Benedikt</i> <b>New Perspectives on Query Reformulation</b>
11:45-12:35	Talks	<i>Pierre Bourhis, Michael Morak and Andreas Pieris</i> <b>Acyclic Query Answering under Guarded Disjunctive Existential Rules and Consequences to DLs</b> <i>Markus Krötzsch and Sebastian Rudolph</i> <b>Complexities of Nominal Schemas</b>
12:35-13:00	Poster Announcements	<i>Ali Rezaei Divroodi</i> <b>Comparing the Expressiveness of Description Logics</b> <i>Nicolas Matentzoglou, Bijan Parsia and Uli Sattler</i> <b>An Empirical Investigation of Difficulty of Subsets of Description Logic Ontologies</b> <i>Viachaslau Sazonau, Uli Sattler and Gavin Brown</i> <b>Predicting OWL Reasoners: Locally or Globally?</b> <i>Yevgeny Kazakov and Pavel Klinov</i> <b>Bridging the Gap between Tableau and Consequence-Based Reasoning</b> <i>Tomer Kotek, Mantas Simkus, Helmut Veith and Florian Zuleger</i> <b>Towards a Description Logic for Program Analysis: Extending ALCQIO with Reachability</b> <i>Pierre Bourhis, Markus Krötzsch and Sebastian Rudolph</i> <b>How to Best Nest Regular Path Queries</b> <i>Martin Homola, Jan Kluka, Vojtěch Svátek and Miroslav Vacura</i> <b>Typed Higher-Order Variant of SROIQ - Why Not?</b> <i>Maurizio Lenzerini, Lorenzo Lepore and Antonella Poggi</i> <b>Practical query answering over Hi (DL-Lite<sub>R</sub>) knowledge bases</b>
13:00-14:30	Lunch Break	
14:30-15:45	Talks	<i>David Carral, Cristina Feier, Ana Armas Romero, Bernardo Cuenca-Grau, Pascal Hitzler and Ian Horrocks</i> <b>Is Your Ontology as Hard as You Think? Rewriting Ontologies into Simpler DLs</b> <i>Birte Glimm, Yevgeny Kazakov, Thorsten Liebig, Trung-Kien Tran and Vincent Vialard</i> <b>Abstraction Refinement for Ontology Materialization</b> <i>Diego Calvanese, Tomer Kotek, Mantas Simkus, Helmut Veith and Florian Zuleger</i> <b>Shape and Content: Incorporating Domain Knowledge into Shape Analysis</b>
15:45-16:00	Poster Announcements	<i>Liang Chang, Uli Sattler and Tianlong Gu</i> <b>An ABox Revision Algorithm for the Description Logic EL<sub>⊥</sub></b> <i>Zhe Wang, Kewen Wang, Guilin Qi, Zhiqiang Zhuang and Yuefeng Li</i> <b>Instance-driven TBox Revision in DL-Lite</b> <i>Zhiqiang Zhuang, Zhe Wang, Kewen Wang and Grigoris Antoniou</i> <b>Rational Elimination of DL-Lite TBox Axioms</b> <i>Laura Giordano, Valentina Gliozzi, Nicola Olivetti and Gian Luca Pozzato</i> <b>Rational closure in SHIQ</b> <i>Kody Moodley, Thomas Meyer and Uli Sattler</i> <b>DIP: A Defeasible-Inference Platform for OWL Ontologies</b>
16:00-16:50	Poster Session with Coffee	
16:50-18:30	Talks	<i>Yevgeny Kazakov and Pavel Klinov</i> <b>Goal-Directed Tracing of Inferences in EL Ontologies</b> <i>Michel Ludwig and Rafael Peñaloza</i> <b>Brave and Cautious Reasoning in EL</b> <i>Franz Baader and Barbara Morawska</i> <b>Matching with respect to general concept inclusions in the Description Logic EL</b> <i>Loris Bozzato, Thomas Eiter and Luciano Serafini</i> <b>Contextualized Knowledge Repositories with Justifiable Exceptions</b>
19:00-21:00	Reception	

## Friday, July 18th

08:45-09:45	Invited Talk	<i>Patrick Blackburn</i> <b>Fragments of Logic, Language, and Computation</b>
09:45-10:15	Talks (joint with NMR)	<i>Olivier Fernandez Gil</i> <b>On the Non-Monotonic Description Logic ALC+Tmin</b>
10:15-10:45	Coffee Break	
10:45-12:00	Talks (joint with NMR)	<i>Thomas Eiter, Michael Fink and Daria Stepanova</i> <b>Towards Practical Deletion Repair of Inconsistent DL-programs</b>
		<i>Wenzhao Qiao and Nico Roos</i> <b>An Argumentation System for Reasoning with Conflict-minimal Paraconsistent ALC</b>
		<i>Camille Bourgaux, Meghyn Bienvenu and François Goasdoué</i> <b>Querying Inconsistent Description Logic Knowledge Bases under Preferred Repair Semantics</b>
12:00-12:50	Talks	<i>Alessandro Artale, Roman Kontchakov, Alisa Kovtunova, Vladislav Ryzhikov, Frank Wolter and Michael Zakharyashev</i> <b>Temporal OBDA with LTL and DL-Lite</b>
		<i>Szymon Klarman and Thomas Meyer</i> <b>Complexity of Temporal Query Abduction in DL-Lite</b>
12:50-13:00	Poster Announcements	<i>Jared Leo, Ulrike Sattler and Bijan Parsia</i> <b>Temporalising EL Concepts with Time Intervals</b>
		<i>E. A. Nasubo Ongoma, C. Maria Keet and Thomas Meyer</i> <b>Transition Constraints for Temporal Attributes</b>
		<i>Özgür Lütfü Özcep, Ralf Möller and Christian Neuenstadt</i> <b>A Stream-Temporal Query Language for Ontology Based Data Access</b>
13:00-14:30	Lunch Break	
14:30-15:20	Talks	<i>Stefan Borgwardt, José A. Leyva Galano and Rafael Peñaloza</i> <b>Gödel FL<sub>0</sub> with Greatest Fixed-Point Semantics</b>
		<i>Stefan Borgwardt</i> <b>Fuzzy DLs over Finite Lattices with Nominals</b>
15:20-15:50	Poster Announcements	<i>Fernando Bobillo and Umberto Straccia</i> <b>A MILP-based decision procedure for the (Fuzzy) Description Logic ALCB</b>
		<i>Marco Cerami and Umberto Straccia</i> <b>Complexity sources in FDL</b>
		<i>Stefan Borgwardt, Felix Distel and Rafael Peñaloza</i> <b>Gödel Description Logics with General Models</b>
		<i>Rafael Peñaloza, Veronika Thost and Anni-Yasmin Turhan</i> <b>Certain Answers in a Rough World</b>
		<i>Ismail Ilkan Ceylan and Rafael Peñaloza</i> <b>Bayesian Description Logics</b>
		<i>Ala Djedjai, Hassina Seridi and Tarek Khadir</i> <b>Reasoning about Belief Uncertainty in DL-Lite<sub>N,bool</sub></b>
		<i>Federico Cerutti, Geeth de Mel, Timothy Norman, Nir Oren, Artemis Parvizi, Paul Sullivan and Alice Toniolo</i> <b>Obfuscation of Semantic Data: Restricting the Spread of Sensitive Information</b>
<i>Tahani Alsubait, Bijan Parsia and Uli Sattler</i> <b>Measuring Conceptual Similarity in Ontologies: How Bad is a Cheap Measure?</b>		
<i>Andreas Ecke, Rafael Peñaloza and Anni-Yasmin Turhan</i> <b>Mary, What's Like All Cats?</b>		
15:50-16:40	Poster Session with Coffee	
16:40-17:30	Talks	<i>Mark Kaminski, Yavor Nenov and Bernardo Cuenca Grau</i> <b>Datalog Rewriting Techniques for Non-Horn Ontologies</b>
		<i>Meghyn Bienvenu, Stanislav Kikot and Vladimir Podolskii</i> <b>Succinctness of Query Rewriting in OWL 2 QL: The Case of Tree-like Queries</b>
18:00-23:30	Social Event and Dinner	

## Saturday, July 19<sup>th</sup>

08:45-10:15	FLoC Panel	<i>Fahiem Bacchus, Armin Biere, Byron Cook, Joel Ouaknine, Karem Sakallah and Mirek Truszczynski</i> <b>Computational Complexity and Logic: Theory vs. Experiments</b>
10:15-10:45	Coffee Break	
10:45-11:45	Invited Talk	<i>Alon Halevy</i> <b>Structured Data on the Web (or, a Personal Journey Away From and Back To Ontologies)</b>
11:45-12:35	Talks	<i>Bernardo Cuenca Grau, Evgeny Kharlamov, Dmitriy Zheleznyakov, Marcelo Arenas and Sarunas Marciuska</i> <b>On Faceted Search over Knowledge Bases</b>  <i>David Toman and Grant Weddell</i> <b>Pushing the CFDnc Envelope</b>
12:35-13:00	Poster Announcements	<i>Ahmet Soyly, Evgeny Kharlamov, Dmitriy Zheleznyakov, Ernesto Jimenez-Ruiz, Martin Giese and Ian Horrocks</i> <b>OptiqueVQS: Visual Query Formulation for OBDA</b>  <i>Domenico Lembo, Riccardo Rosati, Marco Ruzzi, Domenico Fabio Savo and Emanuele Tocci</i> <b>Visualization and management of mappings in ontology-based data access (progress report)</b>  <i>Marco Console, Domenico Lembo, Valerio Santarelli and Domenico Fabio Savo</i> <b>Graphol: Ontology representation through diagrams</b>  <i>Marco Console and Maurizio Lenzerini</i> <b>Reducing global consistency to local consistency in Ontology-based Data Access</b>  <i>Diego Calvanese, Wolfgang Fischl, Reinhard Pichler, Emanuel Sallinger and Mantas Simkus</i> <b>Expressive Identification Constraints to Capture Functional Dependencies in Description Logics</b>  <i>Giorgos Stoilos</i> <b>OBDA Using RL Reasoners and Repairing</b>  <i>Yuri Malheiros and Fred Freitas</i> <b>A Method to Develop Description Logic Ontologies Iteratively with Automatic Requirement Traceability</b>  <i>Jieying Chen, Michel Ludwig, Yue Ma and Dirk Walther</i> <b>Evaluation of Extraction Techniques for Ontology Excerpts</b>
13:00-14:30	Lunch Break	
14:30-15:45	Talks	<i>Elena Botoeva, Roman Kontchakov, Vladislav Ryzhikov, Frank Wolter and Michael Zakharyashev</i> <b>Query Inseparability by Games</b>  <i>Michel Ludwig and Dirk Walther</i> <b>Detecting Conjunctive Query Differences between ELHr-Terminologies using Hypergraphs</b>  <i>Patrick Koopmann and Renate A. Schmidt</i> <b>Forgetting and Uniform Interpolation for ALC-Ontologies with ABoxes</b>
15:45-16:00	Poster Announcements	<i>Ken Halland, Arina Britz and Szymon Klarman</i> <b>TBox abduction in ALC using a DL tableau</b>  <i>Fredrik Engström, Abdul Rahim Nizamani and Claes Strannegård</i> <b>Understandable Explanations in Description Logic</b>  <i>Yahia Chabane, Christophe Rey and Farouk Toumani</i> <b>WApproximation: computing approximate answers for ontological queries</b>  <i>Yue Ma and Rafael Peñaloza</i> <b>Towards Parallel Repair: An Ontology Decomposition-based Approach</b>  <i>Michaël Thomazo</i> <b>Analyzing the Complexity of Consistent Query Answering under Existential Rules</b>
16:00-16:50	Poster Session with Coffee	
16:50-18:30	Talks	<i>Yujiao Zhou, Yavor Nenov, Bernardo Cuenca Grau and Ian Horrocks</i> <b>Pay-as-you-go Ontology Query Answering Using a Datalog Reasoner</b>  <i>Giorgos Stoilos and Giorgos Stamou</i> <b>Hybrid Query Answering Over DL Ontologies</b>  <i>Andreas Steigmiller, Birte Glimm and Thorsten Liebig</i> <b>Optimised Absorption for Expressive Description Logics</b>  <i>Shqiponja Ahmetaj, Diego Calvanese, Magdalena Ortiz and Mantas Simkus</i> <b>Planning Problems for Graph Structured Data in Description Logics</b>
18:30-18:45	ORE Competition Results	

## Sunday, July 20<sup>th</sup>

09:00-10:15	Talks	<i>William Gatens, Boris Konev and Frank Wolter</i> <b>Lower and Upper Approximations for Depleting Modules of Description Logic Ontologies</b>  <i>Francisco Martin-Recuerda and Dirk Walther</i> <b>Axiom Dependency Hypergraphs for Fast Modularisation and Atomic Decomposition</b>  <i>Chiara Del Vescovo and Rafael Peñaloza</i> <b>DeaLing with Ontologies using CODs</b>
10:15-10:45	Coffee Break	
10:45-13:00	Talks	<i>Bernardo Cuenca Grau, Evgeny Kharlamov, Egor Kostylev and Dmitriy Zheleznyakov</i> <b>Controlled Query Evaluation over Lightweight Ontologies</b>  <i>Peter Hansen, Carsten Lutz, Inanc Seylan and Frank Wolter</i> <b>Query Rewriting under EL TBoxes: Efficient Algorithms</b>  <i>Boris Motik, Yavor Nenov, Robert Piro, Ian Horrocks and Dan Olteanu</i> <b>Parallel OWL 2 RL Materialisation in Centralised, Main-Memory RDF Systems</b>  <i>Albin Ahmeti, Diego Calvanese and Axel Polleres</i> <b>SPARQL Update for Materialized Triple Stores under DL-Lite<sub>RDFS</sub> Entailment</b>  <i>Egor V. Kostylev, Juan L. Reutter and Domagoj Vrgoc</i> <b>XPath for DL-Lite Ontologies</b>
13:00-13:30	Lunch Break	
13:30-14:30	DL Business Meeting	

## Location Information

### Registration Desk

You have to register in order to participate in DL and other VSL events. You will receive your badge and all other materials at the registration desk. Please register before DL begins. The registration desk is located in:

- **Freihaus Building (FH), 1<sup>st</sup> floor, in front of Hörsaal 1 (area: red)**
- Address: Wiedner Hauptstraße 8-10, 1040 Vienna
- Opening hours: 8:00–18:00 daily (you can register for DL already on July 16)
- Subway: U1, U2, U4 (station name: Karlsplatz, station exit: Wiedner Hauptstr.)

### FLoC Panels

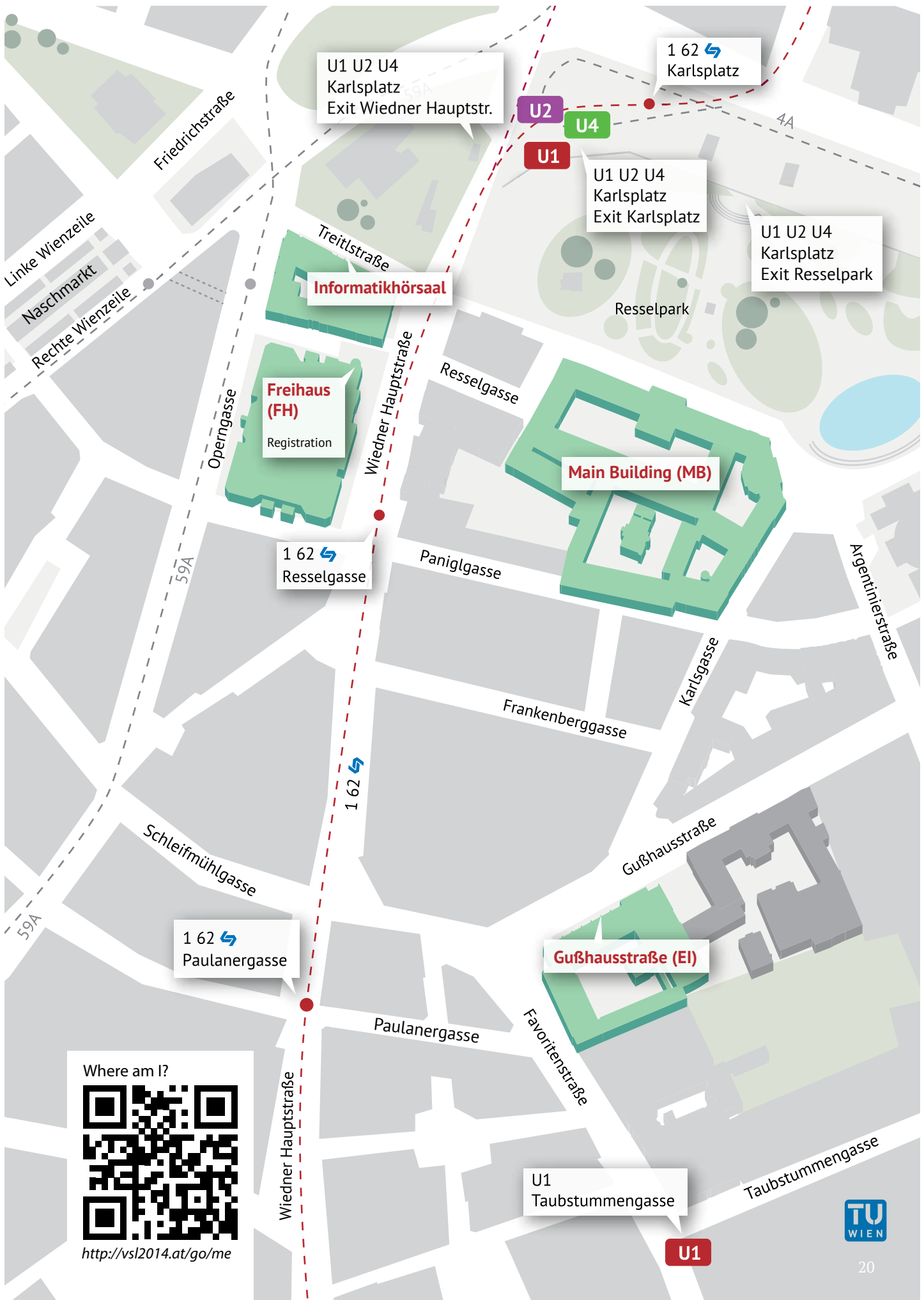
FLoC panels will be held in:

- **Freihaus Building (FH), Hörsaal 1 (area: red)**
- Address: Wiedner Hauptstraße 8-10, 1040 Vienna
- Subway: U1, U2, U4 (station name: Karlsplatz, station exit: Wiedner Hauptstr.)

### DL Talks, Posters and Coffee

All DL sessions (invited and regular talks, posters sessions) and coffee breaks will take place in:

- **Gußhausstraße building (EI), Hörsaal EI 7**
- Address: Gußhausstraße 25-29, 1040 Vienna
- Subway: U1, U2, U4 (station name: Karlsplatz, station exits: Karlsplatz, Resselpark), U1 (station name: Taubstummengasse, station exit: Taubstummengasse)



U1 U2 U4  
Karlsplatz  
Exit Wiedner Hauptstr.

1 62 ↻  
Karlsplatz

U2  
U4  
U1

U1 U2 U4  
Karlsplatz  
Exit Karlsplatz

U1 U2 U4  
Karlsplatz  
Exit Resselpark

**Informatikhörsaal**

**Freihaus (FH)**  
Registration

**Main Building (MB)**

1 62 ↻  
Resselgasse

**Gußhausstraße (EI)**

1 62 ↻  
Paulanergasse

U1  
Taubstummengasse

U1

Where am I?  
  
<http://vsl2014.at/go/me>



## Social Events

The social program of DL 2014 consists of

- a joint DL/NMR welcome reception on July 17, and
- a guided tour in the Musikverein followed by a dinner at Castle Wilhelminenberg on July 18.

### *Welcome Reception*

The joint DL/NMR welcome reception will take place on **July 17, 19:00-21:00**, in **Nelson's Bar** in one of the courts at the TU Vienna main building.

- Address: Paniglgasse 14, 1040 Vienna (see the DL 2014 homepage for a map).

### *Musikverein*

On **July 18 at 18:00**, we will have a guided tour in the Musikverein. We will walk to the Musikverein after the last session on July 18. The meeting place and time for walking there together is **the ground floor of the Gußhausstraße building (E1) at 17:40**.

- Address: Musikvereinsplatz 1, 1010 Vienna (see the DL 2014 homepage for a map)

After the guided tour, **at 19:00** buses (operated by the Dr. Richard bus company) will depart to Castle Wilhelminenberg. Buses will pick us up in front of the Musikverein building.

### *Castle Wilhelminenberg*

The workshop dinner will take place at Castle Wilhelminenberg, located in the north-western outskirts of Vienna.

Castle Wilhelminenberg was built between 1781 and 1784 as a hunting castle for Count Lascy, an Austrian aristocrat. In 1988 it was renovated and reformed into the current hotel. You can read more about its history here.

- Address: Savoyenstraße 2, 1160 Vienna (see the DL 2014 homepage for a map)

As mentioned above, there will be shuttle buses to Castle Wilhelminenberg leaving at **19:00 from the Musikverein**. There will be buses to bring us back to the Musikverein, **leaving Castle Wilhelminenberg at 23:30**.

If you prefer to go to the dinner directly by public transport, you can take the following connections:

- From station Karlsplatz, take the metro line U1 to Stephansplatz.
- Change to metro line U3 to Ottakring.
- At Ottakring, take bus 46B or 146B heading for Wilhelminenberg and get off at the stop Schloss Wilhelminenberg.