# Structure of DEIS'10

DEIS'10 will take place at Schloss Dagstuhl on November 7–12, 2010. It will consist of tutorials on each of the main topics, presentations of specialized topics by the participants, and evening problem sessions.

- **Tutorials:** There will be three 90 minutes long tutorials on data exchange, data integration, and data streams. These will be presented by the three organizers on Monday of the week of the Advanced School.
- **Participant Presentations:** There will be a total number of twenty-two 45 minute presentations by the participants followed by a 15 minute discussion.
- **Problem Sessions:** There will be two 90 minutes problem sessions on Tuesday and Thursday evening. The purpose of the problem sessions is twofold:
    - the participants will develop solutions to exercises that will be assigned by the organizers during their tutorial presentations;
    - the organizers and the participants will discuss open research problems on the topics of the Advanced School.
- **Excursion/Free Time:** A hiking or some other outing will be organized on Wednesday afternoon.

# Timetable

**Monday, Nov 8, 2010:**
- 08:45 - 09:15 : Introductions, logistics, etc.
- 09:15 - 10:45 : Tutorial 1: Data exchange (Phokion Kolaitis)
- *10:45 - 11:15 : Coffee Break*
- 11:15 - 12:15 : Talk 1: The chase procedure and its applications to data exchange (Adrian Onet)
- *12:15 - 01:30 : Lunch Break*
- 01:30 - 03:00 : Tutorial 2: Data integration (Maurizio Lenzerini)
- *03:00 - 03:15 : Coffee Break*
- 03:15 - 04:15 : Talk 2: Query answering in data integration (Piotr Wieczorek)
- *04:15 - 04:30 : Coffee Break*
- 04:30 - 06:00 : Tutorial 3: Data streaming (Nicole Schweikardt)
- *06:00 - 07:30 : Dinner*

**Tuesday, Nov 9, 2010:**
- 08:45 - 09:45 : Talk 3: Data stream management systems and query languages (Sandra Geisler)
- 09:45 - 10:45 : Talk 4: Basic algorithmic techniques for processing data streams (Mariano Zelke)
- *10:45 - 11:15 : Coffee Break*
- 11:15 - 12:15 : Talk 5: Algorithms for computing the core of universal solutions (Vadim Savenkov)
- *12:15 - 01:45 : Lunch Break*
- 01:45 - 02:45 : Talk 6: The inverse operator on schema mappings and its uses in data exchange (Jorge Perez)
- 02:45 - 03:45 : Talk 7: Data integration: Consistent query answering (Salwomir Staworko)
- *03:45 - 04:00 : Coffee Break*
- 04:00 - 05:00 : Talk 8: Description logics for data integration (Yazmin Angelica Ibanez-Garcia)
- 05:00 - 06:00 : Talk 9: Data cleaning for data integration (Ekaterini Ioannou)
- *06:00 - 07:30 : Dinner*
- 08:15 - 09:30 : Problem Session 1

**Wednesday, Nov 10, 2010:**
- 08:45 - 09:45 : Talk 10: Peer data management systems (Armin Roth)
- 09:45 - 10:45 : Talk 11: Theory of Peer Data Management (Sebastian Skritek)
- *10:45 - 11:15 : Coffee Break*
- 11:15 - 12:15 : Talk 12: Quering and mining data streams (Elena Ikonomovska)
- *12:15 - 01:45 : Lunch Break*
- 01:45 - 02:45 : Talk 13: Semantics of query answering in data exchange  (Andre Hernich)
- *02:45 - 06:00 : Excursion*
- *06:00 - 07:30 : Dinner*

**Thursday, Nov 11, 2010:**
- 08:45 - 09:45 : Talk 14: XML data integration (Lucja Kot)
- 09:45 - 10:45 : Talk 15: XML data exchange (Amelie Gheerbrant)
- *10:45 - 11:15 : Coffee Break*
- 11:15 - 12:15 : Talk 16: Stream-based processing of XML documents (Cristian Riveros)
- *12:15 - 01:45 : Lunch Break*
- 01:45 - 02:45 : Talk 17: Distributed processing of data streams and large data sets (Marwan Hassani)
- 02:45 - 03:45 : Talk 18: View-based query processing (Paolo Guagliardo)
- *03:45 - 04:00 : Coffee Break*
- 04:00 - 05:00 : Talk 19: Integrity constraints in data exchange (Victor Didier Gutierrez Basulto)
- 05:00 - 06:00 : Talk 20: Analyzing, comparing and debugging schema mappings (Emanuel Sallinger)
- *06:00 - 07:30 : Dinner*
- 08:15 - 09:30 : Problem Session 2

**Friday, Nov 12, 2010:**
- 08:45 - 09:45 : Talk 21: Probabilistic data integration and probabilistic data exchange (Livia Predoiu)
- 09:45 - 10:45 : Talk 22: Learning and discovering queries and mappings (Marie Jacob)
- *10:45 - 11:15 : Coffee Break*
- 11:15 - 12:15 : General discussion, next steps, etc.
- *12:15 - 01:45 : Lunch*