



| <i>from</i> <i>until</i>   | <i>Monday</i>   | <i>Tuesday</i>  | <i>Wednesday</i>  | <i>Thursday</i>   |
|----------------------------|---|---|---|---|
| 08:50 09:00                | Welcome<br>(J. Sauer)   | —   | —   | —   |
| 09:00 09:45<br>09:45 10:30 | Automata and Logics<br>for Reactive Systems<br>(B. Finkbeiner)              | Local Constraint<br>Solving<br>(V. Vojdani)   | Type-Based Analysis –<br>A Type System for<br>Access Control<br>(P. Thiemann)     | Game Logics<br>(B. Finkbeiner)  |
| 10:30 10:45                | Break   | Break   | Break   | Break   |
| 10:45 11:30<br>11:30 12:15 | Fundamentals of<br>Program Analysis I<br>(M. Müller-Olm)                    | Model Checking<br>Information Flow in<br>Reactive Systems<br>(B. Finkbeiner)                            | Dynamic and Mixed<br>Analysis: Gradual Types<br>and Case Studies<br>(P. Thiemann) | Automata-Based<br>Analysis of Recursive<br>Concurrent Programs<br>(M. Müller-Olm) |
| 12:30 14:00                | Lunch   | Lunch   | Lunch   | Lunch   |
| 14:00 14:45<br>14:45 15:30 | Fundamentals of<br>Program Analysis II<br>(M. Müller-Olm)                   | Annotated Typing and<br>Subtyping HM(X) as<br>Implementation of<br>Type-Based Analysis<br>(P. Thiemann) | Side-Effecting<br>Constraint Systems<br>(V. Vojdani)                              | Parallel Session:<br>- Exercises<br>- Lab   |
| 15:30 16:00                | Break   | Break   | Break   | Break   |
| 16:00 16:45<br>16:45 17:30 | From Simply-Typed<br>Lambda Calculus to<br>ML Polymorphism<br>(P. Thiemann) | Optimal<br>Interprocedural<br>Generation of Linear<br>Program Invariants<br>(M. Müller-Olm)             | From Verification to<br>Synthesis<br>(B. Finkbeiner)                              |   |
| 17:45 19:15                | Dinner  | Dinner  | Dinner  |   |