

# Dagstuhl Seminar on the Network Calculus

## Tentative Program

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### Monday, March 9

| Time        | Session     | Topic   | Chair  |
|-------------|-------------|---|--------|
| 07:30-08:45 |             | Breakfast   |        |
| 09:00-09:30 |             | Welcome and general introduction  | Markus |
| 09:30-10:30 | S1: 60 min  | <b>One minute madness</b> , introduction of participants, expectations, topics of interest for open session   | Florin |
| 10:30-11:00 |             | Coffee  |        |
| 11:00-12:00 | S2: 60 min  | <b>Seed talk George Kesidis</b>   | Jörg   |
| 12:15-13:30 |             | Lunch   |        |
| 14:00-15:30 | S3: 90 min  | <b>Wireless:</b> (presentations, 20 min. incl. discussion) <ul style="list-style-type: none"> <li>• Yuming Jiang</li> <li>• Eduard Jorswieck</li> <li>• James Gross</li> <li>• Sami Akin</li> </ul>                                       | Markus |
| 15:30-16:00 |             | Coffee  |        |
| 16:00-17:45 | S4: 105 min | <b>Wireless:</b> <ul style="list-style-type: none"> <li>• Hussein Al-Zubaidy</li> <li>• Nico Becker</li> <li>• Felix Poloczek</li> </ul> <b>Network calculus roadmap:</b> discussion of open problems and promising approaches in plenary | Markus |
| 18:00-19:15 |             | Dinner  |        |
| evening     |             | <b>Network calculus pub quiz in the wine cellar</b>   | Jens   |

## Tuesday, March 10

| Time        | Session     | Topic   | Chair |
|-------------|-------------|---|-------|
| 07:30-08:45 |             | Breakfast   |       |
| 09:00-10:00 | S5: 60 min  | <b>Seed talk Peter Buchholz</b>   | Jörg  |
| 10:00-12:00 | S6: 120 min | <b>Group work</b> (includes coffee break):<br>identify an upcoming, relevant research topic where performance evaluation can be expected to make a key contribution, define the requirements for theory; how would a model/approach look like?          | Jörg  |
| 12:15-13:30 |             | Lunch   |       |
| 14:00-15:30 | S7: 90 min  | <b>Computational aspects, Application modeling and Tool support (CAT):</b> <ul style="list-style-type: none"> <li>• Marc Boyer</li> <li>• Kai-Steffen Hielscher</li> <li>• Kai Lampka</li> <li>• Steffen Bondorf</li> </ul>                             | Jens  |
| 15:30-16:00 |             | Coffee  |       |
| 16:00-17:45 | S8: 105 min | <b>Computational aspects, Application modeling and Tool support (CAT):</b> <ul style="list-style-type: none"> <li>• Anne Bouillard</li> <li>• Giovanni Stea</li> <li>• Yashar Ghiassi-Farrokhfal</li> <li>• Amr Rizk</li> <li>• Michael Beck</li> </ul> | Jens  |
| 18:00-19:15 |             | Dinner  |       |
| 19:15-20:00 | S9: 45 min  | <b>Feedback from group work:</b> collection of open problems and potentialities of network calculus   | Jörg  |

## Wednesday, March 11

| Time        | Session     | Topic  | Chair  |
|-------------|-------------|--|--------|
| 07:30-08:45 |             | Breakfast  |        |
| 09:00-10:30 | S10: 90 min | <b>Related Methods:</b> <ul style="list-style-type: none"> <li>• Almut Burchard,</li> <li>• Adi Rosen</li> <li>• Gabriel Scalosub</li> <li>• Nataly Youssef</li> </ul> | Jörg   |
| 10:30-11:00 |             | Coffee   |        |
| 11:00-12:00 | S11: 60 min | <b>Open Session:</b> topics of interest that emerge during the seminar   | Florin |
| 12:00-12:15 |             | <b>Farewell</b>  | Markus |
| 12:15-13:30 |             | Lunch  |        |
| afternoon   |             | For all who stay, Dagstuhl offers options for hiking, cycling, playing pool, making music, discussing, etc.  |        |