

## 5G Lab & HAEC Summer School 2017

|                  |             | Presenter                                      | Session  | Room                    |
|------------------|-------------|--|--|-------------------------|
|                  | 18:00-21:00 | Orga-Team                                      | Welcome Dinner   | Campus                  |
| Monday, 18.09.   | 08:00-09:00 | Orga-Team                                      | Registration Open  | FAL 105                 |
|                  | 09:00-10:30 | Frank Fitzek                                   | Opening Session and 5G Intro   | FAL 105                 |
|                  | 11:00-12:30 | National Instruments<br>(Dr. Nicola Michailow) | Introduction to NI MIMO Application Framework                        |                         |
|                  | 12:30-13:30 | Lunch @ GMF                                    |  |                         |
|                  | 13:30-15:00 | National Instruments / VF Chair                | Introduction to NI 802.11 Application Framework / GFDM Theory        | FAL 105                 |
|                  | 15:30-17:00 | TUD / VF Chair (Dr. Dan Zhang)                 | GFDM Theory  |                         |
|                  | 17:15-17:45 | Stefan Schumann (Prof. Ellinger)               | RF measurement laboratory  | BAR 273                 |
| Tuesday, 19.09.  | 09:00-23:00 | 5G Lab Germany                                 | IEEE 5G Dresden Summit   | ICCD                    |
| Wednesday, 20.9. | 09:00-10:30 | National Instruments<br>(Jeremy Twaits)        | Hands-on with LabVIEW Communications                                 | BAR 218                 |
|                  | 11:00-12:30 | National Instruments<br>(Jeremy Twaits)        | Hands-on with LabVIEW Communications                                 |                         |
|                  | 12:30-13:30 | Lunch @ MENSA                                  |  |                         |
|                  | 13:30-15:00 | VF Chair (Maximilian Matthe)                   | GFDM Theory / GFDM Hands-on  | BAR 218                 |
|                  | 15:30-17:00 | VF Chair (Prof. Mendes)                        | GFDM Hands-On  |                         |
|                  | 17:15-18:00 | RF Engineering                                 | Antennen- & Mikrowellenphotoniklabor (je 10 Personen)                | BAR III 2 & BAR S19/S20 |
| Thursday, 21.9.  | 09:00-10:30 | Prof. Karlheinz Bock                           | Heterointegration of Systems   | BAR 218                 |
|                  | 11:00-12:30 | Jun.-Prof. Kambiz Jamshidi                     | Photonic devices for on-board optical interconnects                  |                         |
|                  | 12:30-13:30 | Lunch @ MENSA                                  |  |                         |
|                  | 13:30-15:00 | Prof. Uwe Assmann                              | Basics of Energy-Efficient Adaptive Software                         | BAR 218                 |
|                  | 15:30-17:00 | Prof. Uwe Assmann                              | Energy Autotuning  |                         |
|                  | 17:00-17:30 | Lutz Hofmann (Prof. Schröter)                  | Laboratory On-Wafer-High frequency measuring technique (15 Personen) | BAR 276/277             |
|                  | 18:30-21:00 | Rico Radeke                                    | City Tour  | Downtown DD             |
| Friday, 22.9.    | 09:00-10:30 | Prof. Frank Fitzek                             | Intro to Network Coding  | FAL 105                 |
|                  | 11:00-12:30 | Prof. Frank Fitzek                             | Advanced Topics on NC  |                         |
|                  | 12:30-13:30 | Lunch @ GMF                                    |  |                         |
|                  | 13:30-15:00 | Frank Fitzek                                   | NC Tutorial 1  | FAL 105                 |
|                  | 15:30-17:00 | Frank Fitzek                                   | NC Tutorial 2  |                         |
|                  | 17:00-17:30 | Prof. Frank Fitzek                             | Closing Session  | FAL 105                 |

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| 23.9. | 09:00-18:00 | Hrjehor Mark | Hiking at Sächsische Schweiz (social event) | Main train station |
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<http://campus-dresden.de/>

<https://navigator.tu-dresden.de/etplan/fal/01/raum/034401.0060>

<http://www.dresden-congresscenter.de/de/lage-und-anfahrt>

<https://navigator.tu-dresden.de/raum/bar/01/141101.0820>