<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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<tbody>
<tr>
<td>12:00-12:30</td>
<td>Lunch break</td>
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<tr>
<td>12:30-13:00</td>
<td>Session V: Talks 4 (2 talks)</td>
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<td>13:00-13:30</td>
<td>Session V: Talks 5 (3 talks)</td>
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<td>13:30-14:15</td>
<td>Lunch break</td>
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<td>14:15-15:00</td>
<td>Session VII: Talks 6 (3 talks)</td>
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<td>15:00-15:15</td>
<td>Coffee break</td>
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<td>15:15-16:30</td>
<td>Session V: Talks 7 (3 talks)</td>
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<td>16:30-17:15</td>
<td>Coffee Break</td>
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<td>17:15-18:00</td>
<td>Dinner</td>
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<td>18:00-19:00</td>
<td>Session V: Alternative Session</td>
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<td>19:00-19:30</td>
<td>Coffee Break</td>
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<tr>
<td>19:30-21:00</td>
<td>Session VIII: Talks 8 (3 talks)</td>
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<td>21:00-23:00</td>
<td>Dinner</td>
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<td>23:00-23:30</td>
<td>Coffee Break</td>
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<td>23:30-24:30</td>
<td>Extension</td>
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<td>24:30-00:30</td>
<td>Coffee Break</td>
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<td>00:30-01:00</td>
<td>Lunch Break</td>
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<td>01:30-02:30</td>
<td>Coffee Break</td>
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<td>02:30-03:30</td>
<td>Session XII: Talks 9 (3 talks)</td>
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<td>03:30-04:00</td>
<td>Lunch Break</td>
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<td>04:00-05:00</td>
<td>Session XVI: Closing Wrap-up</td>
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<td>05:00-05:30</td>
<td>Coffee Break</td>
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<td>05:30-06:00</td>
<td>Lunch Break</td>
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<td>06:00-06:30</td>
<td>Session XVI: Talks 10 (3 talks)</td>
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<td>06:30-07:00</td>
<td>Coffee Break</td>
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<td>07:00-07:30</td>
<td>Session XVI: Talks 11 (3 talks)</td>
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<td>07:30-08:15</td>
<td>End of seminar - departure</td>
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<td>08:15-08:45</td>
<td>Breakfast</td>
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**Session Titles:**
- Session I: Welcome and opening introduction of participants
- Session II: Introduction to ToF Imaging
- Session III: Talks 1 (3 talks)
- Session IV: Talks 2 (3 talks)
- Session V: Talks 3 (3 talks)
- Session VI: Talks 4 (2 talks)
- Session VII: Talks 5 (3 talks)
- Session VIII: Talks 6 (3 talks)
- Session IX: Talks 7 (3 talks)
- Session X: Talks 8 (3 talks)
- Session XI: Talks 9 (3 talks)
- Session XII: Talks 10 (3 talks)
- Session XIII: Talks 11 (3 talks)

**Venue:** Saarbrücken

**Duration:** 7:00 AM - 8:45 PM

**Note:** The schedule includes sessions, meals, and breaks, with specific times and activities for each.
Programme

Monday, October 22

9:00-10:30 Session I – Opening
- Organizers
  Introductory Remarks about the seminar and introduction of participants

11:00-12:15 Session II – Introductory tutorial
- Giora Yahav/Shahram Izadi
  Introductory Tutorial about time-of-flight cameras and how to use their data

14:00-15:30 Session III – Talks: Modified/crazy sensor setups
  Chair: Martin Eisemann
- Seungkyu Lee
  Multiple IR signals in ToF Imaging
- Diego Gutierrez/Christopher Barsi
  Capturing and Visualizing Light in Motion
- Ramesh Raskar
  Looking Around Corners

16:00-17:45 Session IV - Alternative session
- James Davis
  Non-standard usage of ToF hardware – Brainstorming
  (see separate detailed description)

Tuesday, October 23

9:00-10:30 Session V – Talks: High-level ToF imaging I: perspectives for ToF imaging in vision, graphics, medical imaging
  Chair: Cornelia Lanz
- Juergen Gall
  Will Depth Cameras Have a Long-term Impact on Computer Vision Research?
- Martin Eisemann
  Difficulties and novel applications in a low-cost multi-view depth camera setting
- Reinhard Klein
  Robust Object Detection and Pose Estimation by combining 2D and 3D shape primitives

11:00-12:15: Session VI: Demos
  Details of demos announced later

14:00-15:30: Session VII: Free time
  Free discussions, socializing
16:00-17:45 Session VIII- Alternative session
Seunkyu Lee
Time-of-flight Cameras vs. Kinect
(see separate detailed description)

Wednesday, October 24

9:00-10:30 Session IX - Talks: Reconstructing the static and dynamic world in 3D
Chair: Thomas Helten
• Andreas Jordt
  Efficient Deformation Reconstruction from Depth and Color Images using Analysis by Synthesis
• Ruigang Yang
  High Quality Modeling and Motion Analysis from a Single Depth Camera
• Erhardt Barth
  Gesture-based interaction with ToF cameras

11:00-12:15 Session X - Talks: High-level ToF imaging II: Perspectives for ToF imaging in vision,
graphics, medical imaging
Chair: Andreas Jordt
• Alexander Seitel
  Time-of-Flight cameras for computer-assisted interventions: opportunities and challenges
• Slobodan Ilic
  Deformable Object Detection in Underwater ToF Videos
• Shahram Izadi
  Depth Sensing Cameras: Technologies, Techniques and Applications

14:00-18:00 Excursion
Plans announced at the seminar

Thursday, October 25

9:00-10:30 Session XI - Talks: New imaging paradigms and alternative sensor setups
Chair: Damien Lefloch
• Gordon Wetzstein/Chrisopher Barsi
  Frequency Analysis of Transient Light Transport with Applications in Bare Sensor Imaging
• Aditi Majumder
  Can ToF Cameras Enable Large Dynamic Interactive Spatial Augmented Reality (SAR) Systems?
• Ivo Ihrke
  Can we reconstruct the shape of a mirror-room from multi-bounce ToF measurements?
11:00-12:15 Session XII - Talks: Interpreting depth
Chair: Oisin Mac Aodha
- Thomas Helten
  *Open questions in full-body motion estimation with depth cameras*
- Cornelia Lanz
  *Automated classification of therapeutical face exercises using the Kinect*
- P.J. Narayanan
  *Handling all the Depth Measurements*

14:00-15:30 Session XIII - Talks: Hardware – Design, calibration, and characterization
Chair: Gordon Wetzstein
- Rahul Nair
  *TOF Ground Truth Generation*
- Michael Balda
  *Benchmarking Time-of-Flight Data for Specific Application Demands*
- Adrian Dorrington
  *Mitigating common distortion sources, and exploring alternative applications for Time-of-Flight cameras*

16:00-17:45 Session XIV - Alternative session
Shohei Nobuhara -
*How ToF cameras can change 3D video production in the real world*  
(see separate detailed description)

Friday, October 26

9:00-10:30 Session XV – Talks: Low-level ToF processing
Chair: Kwang In Kim
- Oisin Mac Aodha
  *Single Depth Image Super-Resolution*
- Frank Lenzen
  *Enhancing ToF data measurements: current work, evaluation with ground truth and open problems*
- Andreas Kolb
  *Real Time Handling of Depth Data*

11:00-12:15 Session XVI – Closing Session
- Organizers
  *Summary and Concluding Remarks*