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Workshop on Empowering Connectivity: Bridging Space and Earth with DTN | (smr 4102)

Thursday 25 September 2025

Building Applications for DTN - Kastler Lecture Hall (AGH) (09:00-18:00)

| time | title | presenter |
|-------|---|---|
| 09:00 | Presentation of the opennetem tool for emulating DTN scenarios and evaluating performance | KEITH SCOTT |
| 10:00 | Discussion of governance frameworks, policy challenges, need for a multi-stakeholder governance, and best practices for DTN deployment | ROBERTO GAETANO (EURALO), GIACOMO MAZZONE (EUROVISION, ITALY) |
| 11:00 | Coffee Break | |
| 11:15 | How to integrate DTN functionality into applications for messaging, file transfer, and sensor data collection. Suitability for store-and-forward vs. real-time communications | SCOTT BURLEIGH |
| 12:00 | Exploration of DTN combined with Free Space Optics for CubeSat missions | MOHAMED-SLIM ALOUINI KAUST, SAUDI ARABIA |
| 12:30 | Lunch Break | |
| 14:00 | Case study of using DTN for informal/public transportation systems | JABAR |
| 14:30 | Case studies presentations by participants - Part I | |
| 15:30 | Coffee Break | |
| 15:45 | Case studies presentations by participants - Part II | |
| 16:45 | Implementation of simple DTN services, including demonstration of DTN over LoRa CLA | SAMO GRASIC |