# Desafios e Oportunidades na Análise de Dados de UAV: Da Fusão de Dados a Aplicações de Aprendizado Profundo

*Challenges and Opportunities on UAV Data Analysis: From Data Fusion to Deep Learning Applications*

**Coordenadores:** Dr. Veraldo Liesenberg (GRSS' Brazil Chapter & UDESC) e Prof. Dr. Jefersson Alex dos Santos (GRSS' Brazil Chapter & UFMG)

**Sala:** Terra – 16 de abril – Terça-feira – 8h30 às 10h40

**ABSTRACT:** The recent increase in the use of Unmanned Aerial Vehicles (UAVs) and associated remote sensing technologies opens a broad range of opportunities for improving earth observation applications. Furthermore, the cost-effectiveness of these instruments, compared to orbital and airborne sensors, makes them very attractive. This is especially true considering that UAVs can be equipped with several onboard sensors. In order to fully benefit from these technologies, several initiatives from both scientific and technical perspectives have been carried out. However, the huge amount of data, provided by UAVs, still pose new challenges ranging from storage to data fusion learning issues. This thematic session aims to provide new insights to this multidisciplinary field, by fostering discussion about existing cutting-edge solutions and opportunities in the area.

| Títulos | Palestrantes | Período |
|---|---|---|
| Opening | Dr. Veraldo Liesenberg (GRSS' Brazil Chapter & UDESC) e Dr. Jefersson Alex dos Santos (GRSS' Brazil Chapter & UFMG) | 8:30 |
| Challenges and perspectives of Data Fusion Learning Techniques | Dr. Paolo Gamba (University of Pavia, Italy) | 8:30 |
| Deep Learning Applications with UAV | Dr. Hemerson Pistori (UCDB, Brasil) | 9:00 |
| Fusion of Time Series Representations for Target Recognition | Dr. Ricardo da Silva Torres (Unicamp, Brasil) | 9:30 |
| Discussion / Q&A – Closing | | 10:00 |