

# Thematic Workshop on Critical Technologies for Space

## Debate on evolution and roadmap for Critical Technologies (U16 - U19 - U12)

### (European GaN, DAC-ADC and FPGAs for Space)

Instituto de Telecomunicações – Aveiro, April 10<sup>th</sup>, 2015

Preliminary Program	
09h00 – 09h30	<b>Welcome and Reception</b>
09h30 – 09h45	<b>Introduction</b> <i>Nuno Borges Carvalho (IT-Aveiro)</i>
09h45 – 10h00	<b>Portuguese contribution to European Critical Technologies (ESA, EU-FP7-H2020)</b> <i>João Romana (GPPQ) &amp; Luis Serina (FCT Space Office)</i>
10h00 – 10h15	<b>The contribution of European SMEs to the European Critical Technologies roadmap</b> <i>Hans Bracquené (SME4SPACE)</i>
10h15 – 10h30	<b>The FP7 GaNSAT Project</b> <i>Rodolfo Martins (EVOLEO Technologies)</i>
10h30 – 10h45	<b>The FP7 BEACON Project</b> <i>Rogério Nogueira (IT-Aveiro)</i>
10h45 – 11h15	<b>COFFEE BREAK</b>
11h15 – 11h40	<b>Contribution of FP7 and H2020 to the development of Critical Technologies</b> <i>Mário Amaral (European Commission)</i>
11h40 – 12h05	<b>ESA vision and roadmap for European Critical Technologies</b> <i>Mikko Nikulainen (ESA)</i>
12h05 – 12h30	<b>EDA vision and roadmap for European Critical Technologies</b> <i>Wolfgang Scheidler (EDA)</i>
12h30 – 14h00	<b>LUNCH BREAK</b>
14h00 – 15h00	<b>U16: Space qualified GaN components and demonstrators</b> <i>Joachim Würfl (FBH) &amp; Roger Vilaseca (MIER) &amp; François Deborgies (ESA)</i>
15h00 – 15h25	<b>U19: High speed DAC-ADC based on European Technology</b> <i>Nicholas Chantier (e2v Semiconductors)</i>
15h25 – 15h45	<b>U12: High Capacity FPGAs</b> <i>Jose Maria Carnicer (CRISA)</i>
15h45 – 16h15	<b>COFFEE BREAK</b>
16h15 – 18h00	<b>Round table on evolution and roadmap for Critical Technologies (U16; U19; U12)</b> <i>Chairs: Prof. Nuno Carvalho; Rodolfo Martins</i> <i>Experts Table: Joachim Würfl; Roger Vilaseca; Nicholas Chantier; Mikko Nikulainen; Mário Amaral; Wolfgang Scheidler; François Deborgies; Jose Maria Carnicer</i>
	<b>END OF WORKSHOP</b>

This Workshop is an FP7 GANSAT project dissemination activity and organized in collaboration with PT H2020 and ESA Offices