

NORTH

**Non-intrusive Observation and RunTime
verification of cyber-pHysical systems**

Meeting – Agenda

30th November – 1st December 2017

Brest, France

**Location:
Salle de reunion 1**

LIST OF PARTICIPANTS

Faculdade de Ciências da Universidade de Lisboa (FCUL) / FCIências.ID / LaSIGE
Université de Bretagne Occidentale / Lab-STICC UMR CNRS 6285

Abrev.	Name	email
JR	José Rufino	
FS	Frank Singhoff	
SR	Stephane Rubini	
LL	Laurent Lemarchand	
JB	Jalil Boukhobza	
MD	Mourad Dridi	
PD	Pierre Dissaux	
TN	Tran Hai Nam	
JL	Jérôme Legrand	
VN	Valérie-Anne Nicolas	

AGENDA

30th November 2017 –

9:00	Welcome	
9:10	Technical presentations	
		<i>M. Dridi. A virtual Channel Manager for NoC</i>
		<i>M. Dridi. Noc and Mixed-criticality systems</i>
10:30	<i>Coffee Break</i>	
11:00	Technical presentations by Université de Bretagne Occidentale	
		<i>P. Dissaux. Needs for monitoring at run-time for AADL based projects</i>
		<i>N. Hai Tran. Contention Aware Scheduling of Synchronous Data Flow Programs on a Many-core architecture</i>
12:30	<i>Lunch Break at Armen restaurant</i>	
14:00	Technical presentations by Université de Bretagne Occidentale	
		<i>S. Rubini & F. Singhoff. Scheduling Monitoring and ROSACE</i>
15:30	<i>Coffee Break</i>	
16:00	Technical presentations by FCUL	
		<i>J. Alves, J. Rufino. "On the (non-intrusive) observability of the CAN FD protocol"</i>
		<i>J. Alves, J. Rufino. "Comparing the inaccessibility characteristics of CAN and CAN FD protocols"</i>
18:15	<i>Closing the first day meeting</i>	

1st December 2017

9:00	Technical presentation by FCUL
	<i>J. Rufino. "Tasks 3 & 4 (update): Technical activities with focus on system observation"</i>
	<i>Discussion: NORTH technical activities within Tasks 3 & 4</i>
10:30	<i>Coffee Break</i>
11:00	Technical discussion
	<i>Planning of the next meeting, task to complete for the next meeting</i>
	<i>Publications and workshop to write/organize</i>
14:00	<i>Closing the meeting</i>

Project title:		NORTH																							
		Non-intrusive Observation and RunTime verification of cyber-pHysical systems																							
		Year 1 (2017)												Year 2 (2018)											
Task	Task Denomination	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
		J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
T1	Cyber-Physical Systems: Component Modelling and Property Extraction	■	■	■	■	■																			
T2	Temporal logics for run-time verification of cyber-physical systems				■	■	■	■	■	■															
T3	Methods and tools for run-time verification of cyber-physical systems									■	■	■	■	■											
T4	Non-intrusive Observation and Runtime Verification of Cyber-Physical Systems												■	■	■	■	■	■							
T5	Adaptive Non-intrusive Observation and Runtime Verification of Cyber-Physical Systems																■	■	■	■	■	■			
T6	System Prototype for Runtime Verification and Demonstration of Use																					■	■	■	■
	Visits from France to Portugal			■														■							
	Visits from Portugal to France									■													■		
												1st Progress Report													
												Final Report													