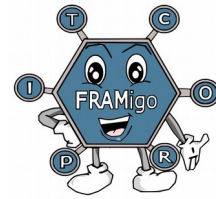
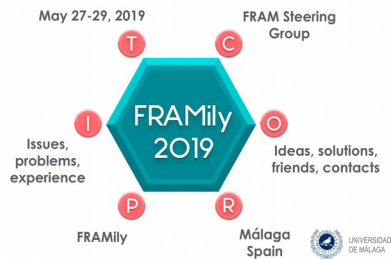


Programme of the 13th FRAMily Meeting Malaga (Spain), 27th -29th May 2019

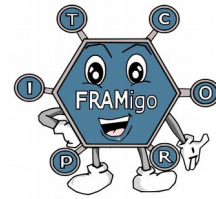
Monday May 27	Tutorial	
12:00	Bus From City Centre (close to Rectorate Building and City Hall)-	
12:45	Registration (Tutorial)	
13:30	Tutorial Part I: Understanding how something happens	Erik Hollnagel
15:30	Coffee break	
15:45	Tutorial Part II: First steps to using the FRAM	Erik Hollnagel
17:30	Bus from university to City Centre	
18:15	Welcome drink at City Centre (Tutorial)	
Tuesday May 28	FRAMily meeting day 1	
08:30	Bus from City Centre (close to Rectorate Building and City Hall)	
09:00	Registration and coffee	
09:30	Welcome to FRAM and the FRAMily	Erik Hollnagel, Juan Carlos Rubio-Romero
	FRAM used in Health Care (Session chair: NN)	
	Nurse compliance with the double check proceeding	Bernadette Schutijser
	Putting Safety-II into practice by using FRAM in the Dutch hospitals	Miriam Kroeze, Patricia Wimmer
10:00 - 12:30	Using FRAM to study Organisational Resilience in care for the dependent older person in Scotland	Alastair Ross, San Selveindran, Janet Anderson
	Examination of the standard CPR procedures using FRAM.	Ralph Mackinnon, David Slater
	FRAMily discussion	All
12:30 - 13:30	Lunch	
13:30 - 15:00	Alternative uses of FRAM (Session chair: NN)	
	The probability of reaching a variability of FRAM function output	Jan Magott, Jacek Skorupski



	FRAM and Complex Adaptive Systems: New Model to Simulate Complex Dynamics of Socio-Technical Systems	Takayuki Hirose, Tetsuo Sawaragi
	Applicability of Functional Resonance Analysis Method in a Simulation-based Optimization Methodology for Production System Design	Enrique Ruiz Zúñiga
	FRAMily discussion	All
15:00 - 15:30	Coffee break	
	FRAM software developments (Session chair: NN)	
16:00 - 17:00	myFRAM one year later: recap and agenda	Riccardo Patriarca, Costantino, F., Falegnami, A., Di Gravio, G., Tronci, M.
	ISL FRAM Analyzer	Yoo Chan Kim, Erik Hollnagel
	FMV Pro	Rees Hill
17:00	Bus from university to City Centre	
17:30	Guided tour of City Centre	
19:30 - 20:30	Free time	
20:30	Dinner	

Wednesday May 29 FRAMily meeting day 2

08:30	Bus from City Centre (close to Rectorate Building and City Hall)	
09:00 - 09:30	Reflections on yesterday - Questions not asked or answers not given	
	Applications of FRAM Part 1 (Session chair: NN)	
09.30 - 10.30	Measure Evaluation Tool MET: FRAM-based Optimization of Human Scope of Action	Toni Wäfler, Giulio Nisoli, Rahel Gugerli
	Using FRAM to develop leading indicators in construction building structures	Carmen Pardo Ferreira, María Martínez-Rojas, Juan Carlos Rubio-Romero
	Utilization of FRAM methodology to understand the complexity of drilling offshore oil wells	Josue Eduardo Maia Franca
10.30 - 11.00	Coffee/Tea Break	
	Applications of FRAM Part 2 (Session chair: NN)	
11.00 - 13.00	Risk Assessment of Automated Driving using Functional Resonance Analysis Method	Niklas Grabbe



	Assessing operational impacts of automation using Functional Resonance Analysis Method	Pedro Ferreira
	How to succeed descending a mountain (or not) - how a complex system is built (or not)	Jesús Ariza
	FRAMily discussion	All
13:00 - 14:00	Lunch	
	Applications of FRAM Part 3 (Session chair: NN)	
	Gatekeeper Family Doctors operating a Decentralized Outpatient Referral Prioritization System: between resilience and brittleness	Rodrigo Arcuri, Bárbara B.L. Andrade, Alessandro Jatobá, Catherine M. Burns, Mario Cesar Vidal, Paulo Victor R. Carvalho
	Modelling three-term contingency of behaviour by using FRAM	Shigeru Kusakabe
14:00 - 15:20	The use of Functional Resonance Analysis Method (FRAM) in the modeling of the ST & I projects to improve management the possible variabilities of the involved organizations	Ademilton Grassiane dos Santos, Moacyr Cardoso Júnior
	An experimental comparison of FRAM and Business Process in a systematic approach for identifying complex system requirements	Elaine Alves de Carvalho, Paulo Victor Rodrigues de Carvalho, Alessandro Jatobá
15:20 - 15:50	FRAMily discussion	All
15:50 - 16:00	Sayonara	
16:00	Bus from university to City Centre	