



Horizon 2020
European Union funding
for Research & Innovation



Automated Formalization and Management of Requirements for Cyber-Physical Systems

Simone Vuotto

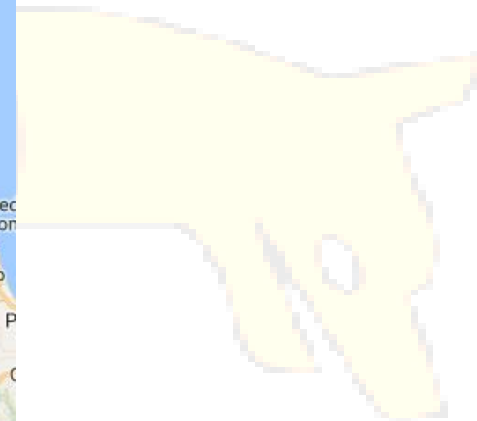


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UNIVERSITÀ DEGLI STUDI DI SASSARI

CPS Summer School - Porto Conte Ricerche, Alghero - September 2017



Something about me...





Research Activity

- Requirements Management
 - Analysis and translation into a formal model
 - *Consistency* and *Satisfiability* checking to formally validate the correctness of requirements
- Modelling and Verification
 - Model *expressiveness* and *certification*



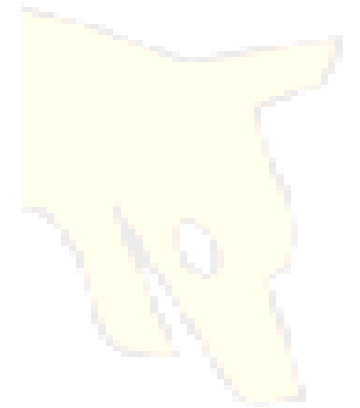
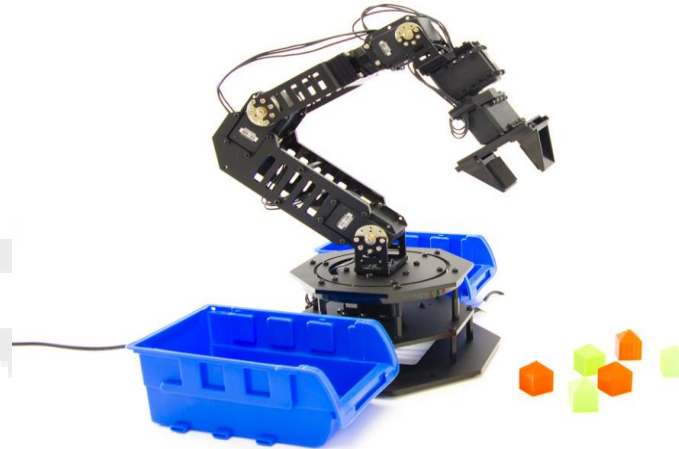
Research Activity

- Safe Control Policy

- Data Driven Verification

- Joint work with: A. Bit-Monnot, L. Pulina, A. Tacchella

CERBERO





Why am I here?

- To extend my knowledge about CPS
- To put CPS development in perspective
- To practice with the tools involved in CERBERO
- To have fun!

CERBERO

