



Giuseppe Gillini

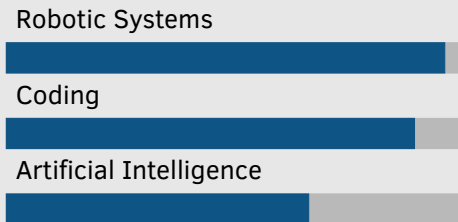
PhD Student,
Computer Engineer

- 02 October 1993
- Via Ciro Menotti 37, Vairano Scalo (CE), 81059, IT
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About me

PhD Student at university of Cassino and Southern Lazio, very passionate about robotic systems.

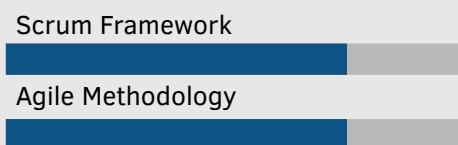
Main Skills



Language



Organization



Experience

- since 2017 Ph.D. Student UNICAS
Research Activities:
 - *Robotic Systems*
 - *Assistive Robotics*
 - *Fault Detection and Isolation for Multi-Robot Systems*
- october 2019 - march 2020 Guest Researcher DLR
Detailed achievements:
 - *Integration of an EEG system with the hardware and software architecture of the robotic platform EDAN*
 - *Developing of an EEG-based interface based on SSVEP and P300 to command EDAN*
 - *Evaluation of the EEG-based interface in a real user scenario*
- 2017 Three Months Trainee ENEL
Detailed achievements:
 - *Study of the new hydroelectric plant automatism of Presenzano's Power Station*
 - *Asset Management*
 - *Study and Start Up a Contract With CESI*
 - *Safety at Work*

Education

- 2019 S.I.D.R.A. PhD Summer School Ce.U.B.
Model Reduction by Moment Matching for Linear and Nonlinear System; Intelligent Collaborative Robotics
- 2018 S.I.D.R.A. PhD Summer School Ce.U.B.
Adaptive Control Systems: Methodologies for Analysis and Synthesis; Optimization Methods for Decision Making over Networks
- 2018 Model Predictive Control PhD Course IMT Lucca
Theory and practice of Model Predictive Control
- 2018 MarineUAS PhD Winter School FEUP
Winter School on Autonomous Unmanned Aerial Systems for Marine and Coastal Monitoring
- 2015-2017 M.Eng. magna cum laude UNICAS
MEng in Computer Engineering
- 2012-2015 B.Eng. 104/110 UNICAS
BEng in Computer and Telecommunication Engineering
- 2007-2012 Technical Institute Diploma 96/100 ITIS Cassino
Technical Institute Diploma in Electronics and Telecommunication

Software Development Skills

Programming

- C++
- JavaScript
- Python
- G(Labview)
- Java
- SFC

Computer Software

- ROS
- Office
- MySQL
- Labview
- Gazebo
- OpenVibe
- Most Famous IDEs
- Matlab
- BC12000
- Adobe Illustrator



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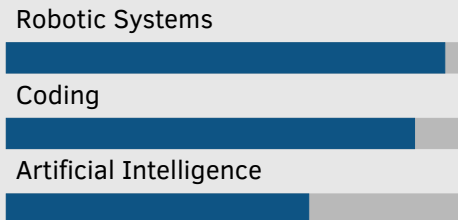
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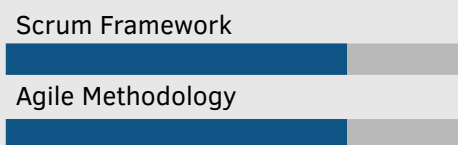
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Other Information

Driving Licences

- Category B

Interests

Professional

- Robotics
- Software
- Artificial Intelligence
- Maths
- Physics

Personal

- Music
- Tv Shows
- Gaming
- Travel

Publications

- Gillini, G., Lippi, M., Arrichiello, F., Marino, A., and Pierri, F. (2019, October). "Distributed Fault Detection and Isolation for Cooperative Mobile Manipulators". In 2019 IEEE International Conference on Systems, Man and Cybernetics (SMC) (pp. 1701-1707). IEEE.
- Gillini G., Arrichiello F., (2020, July) "Nonlinear Model Predictive Control for the Landing of a Quadrotor on a Marine Surface Vehicle". In 2020 IFAC World Congress.
- Gillini, Giuseppe; Lippi, Martina; Arrichiello, Filippo; Marino, Alessandro; Pierri, Francesco: 'Distributed fault detection and isolation strategy for a team of cooperative mobile manipulators' (Control, Robotics & Sensors, 2020), 'Fault Diagnosis and Fault-tolerant Control of Robotic and Autonomous Systems', Chap. 7, pp. 143-166, IET Digital Library.
- Golluccio, G., Gillini, G., Marino, A., Antonelli, G. (2020). "Robot Dynamics Identification: A Reproducible Comparison With Experiments on the KINOVA Jaco2." IEEE Robotics & Automation Magazine.

Awards

- Finalist of IEEE SMC Best Student Paper Award