STRATEGOS Faculty

Name Marco

Family Name Gotelli

Citizenship Italian

Affiliation University of Genoa, Italy

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Present Position

Faculty Member Professor at Genoa University, Genoa, Italy
Senior Consultant at Simulation Team, Genoa, Italy

Professional Experiences

Faculty Member Professor of Modeling and Design of Complex Systems, Industrial and Production Plant (Enterprise Systems), Mechanical Plant Design, Design of Industrial Plant, Genoa, Italy, 2023 till now

Senior Consultant at Simulation Team, Genoa, 2023 till now

Senior Consultant at Deloitte Consulting, Genoa and Milan, Italy, 2019-2023

Project Engineer at Seatema Spa – Fincantieri Group, Genoa Italy, 2018

Research Engineer at Fraunhofer Institut FKIE, Bonn Germany, 2017-2018

Education & Special Certificates

2022, PhD in Mathematical Modeling and Interoperable Simulation at Genoa University, Italy

2017, Master of Science in Mechanical Engineering at Genoa University, Genoa, Italy

2015, Bachelor Degree in Mechanical Engineering at Genoa University, Genoa, Italy

Scientific Experiences

Conducting research in scientific projects related to:

Modeling of unmanned vehicles and robotic systems to create new capabilities at Sea and in Industry

Simulation related to Crisis in Complex mission environments addssing Port Facilities, Indutries and Marine Scenarios

eXtensive Reality applied to Industry 4.0

Industrial IoT and Connected Product

Cloud Computing and Machile Learning

Modeling of Human Behaviour

Speaker at Scientific Conferences in Modeling and Simulation and Industrial Plants

Co-author of Scientific Publications

Projects

Raise - Robotics and AI for socio-economic empowerment, Mar 2023 – Ongoing

Leonardo Spa – Blockchain Digital Platform for Supply chain and operations, Sept 2022 – Mar 2023

Construction Company – Augmented Reality (AR) for operation support on construction site, Marc 2022 – Sep 2022

German Automotive Company – Automatic Quality inspection, Jan 2022 – March 2022

Leonardo – Research project on plant innovation, Sept 2020 – Sept 2022

Retail Company – Heatmap Generation and real-time analytics, Sep 2021 – Dec 2021

Deloitte Japan– Traffic control in Shibuya crossing Tokyo, Jan 2021 – Feb 2021

Leonardo Spa – Digitalization and automation for aircrafts manufacturing, Sept 2020 – Sept 2022

Mantero Spa –ML for textile asset management and digitalizing asset lifecycle, Jan 2020 – Sept 2020

Ramcro Spa – Innovating manufacturing and production, June 2019 – March 2020

Food&Beverage Company – Innovating production in F&B plant in Austria, Sep 2019 – Jan 2020

Oil&Gas and Energy US Company – Machine Learning for Predictive maintenance, March 2019 – Sep 2019

ECM Spa – Railway Simulator, Feb 2019 – June 2019

Deloitte Global – IoT Asset Development, Feb 2019 – June 2019

Navy Innovation Project – Learning Management System for Simulation Center, Sep 2018 – Feb 2019

Fincantieri – Simulator for naval operations management and handling control, Sep 2018– Feb 2019

ERGOVars – VR Simulator for Helicopter Pilot Training (Bonn, Germany) , Sep 2017 – Jun 2018

Idrass – Simulator for Leonardo spa & Engineering spa on crisis Management in Industrial Plant, Jun 2017 – Dec 2017

Furbot FP7 – Freight Urban RoBOTic Veihicle, Jun 2015 – Sep 2015

Research Interests

- **Modeling and Simulation**
- **Industrial Plant Engineering**
- **Industrial Production Management**
- **Extended Reality and Spatial Computing**
- **Digilitazion Projects**
- **Innovative Enterprise Systems**
- **Industrial IoT**
- **Connected Products**
- **Machine Learning**
- **Cloud Computing**
- **Artificial Intelligence**

Scientific Pubblication & Book

Gotelli Marco "Immersive and Distributed technologies for Simulation and Industrial Innovation". PhD Thesis, Genoa 2022

Bruzzone A.G., Sinelshikov K., Massei M., Gotelli M., Fabbrini G. (2021) "Reducing Dangers within Industrial Plants by Extended Reality", European Modeling and Simulation Symposium, EMSS, 2021

Bruzzone A.G., Marina Massei, Giuliano Fabbrini, Marco Gotelli, (2020) "Extended Reality alternative Solutions to support Education, Training, Operational Planning and Operation Support on Complex Scenarios". Held at the 10th International Workshop in Defense and Homeland Security Simulation, Co-located with CAX Forum, CA2X2 and in Synergy with I3M 2020, Rome 2020

Bruzzone, A.G., Sinelshchikov, K., Massei, M., Gotelli, M. & Fabbrini, G. (2020). "Extended Reality Technologies for Industrial Innovation. 32 European Modeling and Simulation Symposium, EMSS 2020". Held at the International Multidisciplinary Modeling and Simulation Multiconference I3M 2020

Bruzzone A.G., Massei M., Fabbrini G., Gotelli M., Di Bella P., Pusillo L. (2019) "Libra Ad Bellum Novum: A Political and Military Escalation in the Near East as Scenario For Support Advanced Strategic Decision Making", Proceedings of International Summer Computer Simulation Conference, Summersim, SCS, Berlin, Germany, July 22-24

Bruzzone A.G., Massei M., Sinelshchikov K., Fabbrini G., Gotelli M., Molinari A. (2019) "Machine Learning to Support Industrial Digitalization and Business Transformation" European Modelling and Simulation Symposium

Bruzzone A.G., Massei M., Sinelshchikov K, Fadda P., Fancello G., Fabbrini G., Gotelli M. (2019) "Extended Reality, Intelligent Agents and Simulation to improve efficiency, Safety and Security in Harbours and Port Plants" International Conference on Harbour Maritime and Multimodal Logistics

Bruzzone A.G., Massei M., Sinelshchikov K., Baviera L., Fabbrini G., Gotelli M., PROCHAZKA J.,Kutej L., Scurek R. (2019) "Persistence Through Collaboration at Sea for Off-Shore nd Coastal Operations", Modelling and Simulation for Autonomous System, 6th Internation Conference, MESAS 2019 Palermo, Italy, October 29-31, 2019, Springer

Languages	**Italian (Native Language)**
	English fluent
	Portuguese fluent
	German basic
	French basic
	Spanish basic

Other Experiences

Proficient in Microsoft Office
Good knowledge of C#, Multibody modelling, FEM and CAD
Experienced in using Unity 3D
Use of Constructive Distributed Simulation of Industrial Plant Planning for Steam Turbine Power Station of 150 MW
Partecipated to Smartcup Liguria 2016
Gained multicultural exposure by travelling through Europe and Latin America

Useful Links   **https://www.linkedin.com/in/marco-gotelli-**

Date   *Last Update on October 20, 2023*

I hereby authorize STRATEGOS, Genoa University and Simulation Team to share my CV for Professional and Scientific Reasons with Companies & Institutions