

**PUBLIC SELECTION ESTABLISHED WITH DIRECTOR'S DECREE NO. 2023\_PRO\_DEIB\_5 OF 14/07/2023 PURSUANT TO THE NOTICE PUBLISHED IN THE OFFICIAL GAZETTE NO. 28/07/2023, n. 57 FOR 1 POSITION AS FULL PROFESSOR FOR THE COMPETITION SECTOR 09/G1 - SYSTEMS AND CONTROL ENGINEERING - SDS ING-INF/04 - SYSTEMS AND CONTROL ENGINEERING, PURSUANT TO ART. 18 - LAW 240/2010, AT THE POLITECNICO DI MILANO - DEPARTMENT OF ELECTRONICS, INFORMATION AND BIOENGINEERING (PROCEDURE CODE 2023\_PRO\_DEIB\_5).**

## **FINAL REPORT**

The Selection Board, appointed with RD Index No. 11162 ref. No. 220143 of 26 September 2023, composed by the following Professors:

Prof. COLANERI Patrizio - Politecnico di Milano;  
Prof. DE SCHUTTER Bart - TU Delft;  
Prof. DIEHL Moritz - University of Freiburg,

met on Friday November 3, 2023 at 2.30 pm, for the first teleconference meeting.

Each board member was connected from his/her workstation, as specified below:

- Prof. COLANERI Patrizio at Dipartimento di Elettronica, Informazione e Bioingegneria, (DEIB) Politecnico di Milano, Italia
- Prof. DE SCHUTTER Bart at Delft Center for Systems and Control, Delft University of Technology (TU Delft), The Netherlands
- Prof. DIEHL Moritz at Systems Control and Optimization Laboratory, IMTEK, Faculty of Engineering, *University of Freiburg, Germany*

At the start of the session the members of the Selection Board named the Chairman and the Secretary:

PATRIZIO COLANERI, PROFESSORE ORDINARIO at Politecnico di Milano, Chairman;

PATRIZIO COLANERI, PROFESSORE ORDINARIO at Politecnico di Milano, Secretary;

Each member of the board declared not to have conjugal nor family relationship or other degree of kinship or affinity up to the fourth degree, not to be in same-sex civil union (as per art. 1 of Law No. 76 of 20.05.2016) and not to form a cohabiting couple (as per art. 1, paragraphs 37 et seq. of Law No. 76 of 20.05.2016) with the other members of this board and that there were no reasons for abstention pursuant to arts. 51 and 52 of the Civil Procedure Code.

The members of the Selection Board and the Secretary declared, pursuant to art. 35-bis of Legislative Decree 165/2001, not to have criminal convictions, even with non-definitive sentences, for offences provided for in Chapter I, Title II of the second book of the Criminal Code.

The Selection Board established the criteria and the parameters according to which the assessment was carried out, and set the minimum score below which the candidate shall not be included in the ranking of candidates.

On December 1<sup>st</sup>, 2023, the Selection Board met for the second teleconference meeting to inspect the list of applicants, who were:

- 1) BASCETTA Luca
- 2) CORNO Matteo

- 3) FAGIANO Lorenzo Mario
- 4) FARINA Marcello
- 5) GARATTI Simone

Each member of the board declared not to have conjugal nor family relationship or other degree of kinship or affinity up to the fourth degree, not to be in same-sex civil union (as per art. 1 of Law No. 76 of 20.05.2016) and not to form a cohabiting couple (as per art. 1, paragraphs 37 et seq. of Law No. 76 of 20.05.2016) with the candidates and stated that there were no reasons for abstention pursuant to arts. 51 and 52 of the Civil Procedure Code.

Pursuant to the examination and after adequate evaluation, the Selection Board assigned a score to each of the established criteria and a judgment to each publication submitted by the candidate; furthermore, the board evaluated the knowledge of the English language.

Therefore the board, considering the sum of the scores given, expressed a collective judgment in relation to the quantity and the quality of publications, evaluating the overall productivity of the applicant, also with regard to his/her period of activity.

The above-mentioned judgments are attached to this report and they are an integral part of it (Attachment No. 1 to this final report).

The Selection Board drew up, according to the majority of its members, a ranking of candidates selected to carry out the scientific/teaching functions for which the selection was called, in a number equal to a maximum of five times the number of positions available in the competition (Attachment No. 2 to this final report).

#### THE SELECTION BOARD

*Prof. Patrizio Colaneri (Presidente e Segretario)*

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*Prof. Bart De Schutter (Componente)*



*Prof. Moritz Diehl (Componente)*



**PUBLIC SELECTION ESTABLISHED WITH DIRECTOR'S DECREE NO. 2023\_PRO\_DEIB\_5 OF 14/07/2023 PURSUANT TO THE NOTICE PUBLISHED IN THE OFFICIAL GAZETTE NO. 28/07/2023, n. 57 FOR 1 POSITION AS FULL PROFESSOR FOR THE COMPETITION SECTOR 09/G1 - SYSTEMS AND CONTROL ENGINEERING - SDS ING-INF/04 - SYSTEMS AND CONTROL ENGINEERING, PURSUANT TO ART. 18 - LAW 240/2010, AT THE POLITECNICO DI MILANO - DEPARTMENT OF ELECTRONICS, INFORMATION AND BIOENGINEERING (PROCEDURE CODE 2023\_PRO\_DEIB\_5).**

**ATTACHMENT No. 1 to the FINAL REPORT**

<b>CRITERIA</b>	Quality of scientific and/or project production, assessed on the basis of criteria and parameters recognized by the international scientific community of reference	Teaching activity at the university level in Italy or abroad	Scientific responsibility for funded research projects	Results obtained in technology transfer in terms of participation in the creation of new enterprises (spin off), development, use and marketing of patents	<b>Total</b>
BASCETTA Luca	32/45	30/30	10/15	7/10	79
CORNO Matteo	35/45	30/30	15/15	10/10	90
FAGIANO Lorenzo Mario	43/45	25/30	15/15	10/10	93
FARINA Marcello	37/45	30/30	8/15	2/10	77
GARATTI Simone	41/45	30/30	5/15	0/10	76

## CANDIDATE: BASCETTA LUCA

### CURRICULUM:

Luca Bascetta was born in 1974. He obtained a Master's Degree in Computer Engineering in 1999 and a PhD in Information Engineering in 2004, at the Polytechnic of Milan. He was a researcher at the Polytechnic of Milan from 2006 to 2014. Since 2015 he has been an Associate Professor at the Polytechnic of Milan, where he is currently coordinator of the board of the Master's Degree course in Agricultural Engineering which he helped to design. He obtained the national habilitation as full professor in 2019.

His main research interests concern the modelling, identification and control of industrial and mobile robots, with particular regard to the planning and tracking of trajectories for agricultural applications. On these topics he was the author, or co-author, of 37 articles appearing in international journals, 87 contributions to international conferences, 1 book chapter.

From 2015 to 2018 he was Associate Editor of the IEEE Robotics and Automation Letters journal. Since 2018 he has been Associated Editor of the Control Engineering Practice magazine. Since 2021 he has been Associate Editor of the IEEE Transactions on Automation Science and Engineering. He has also served as Associated Editor in some international conferences and was chair of the technical program for an international conference in 2018. He is a senior member of the IEEE Robotic and Automation Society.

He was a researcher in 15 national projects, task leader and coordinator in two national projects and person in charge in a European FP7 project.

He is (co)-owner of 4 patents (3 national, one international).

The teaching activity in the Bcs and Mater level courses at the Polytechnic of Milan has been impressive since 2001 (around 400 ETCS). There are also some doctoral courses. He has supervised numerous master's theses and 7 doctoral theses.

### PRESENTED PUBLICATIONS:

Number pub.	Type/ Publication	Score
1	L. BASCETTA, P. Rocco. Two-time scale visual servoing of eye-in-hand flexible manipulators, <i>IEEE Transactions on Robotics</i> , USA, Vol. 22, No. 4, August 2006, pp. 818-830.	Excellent
2	A. Leva, L. BASCETTA. Set point tracking optimisation by causal nonparametric modelling, <i>Automatica</i> , USA, Vol. 43, No. 11, November 2007, pp. 1984-1991.	Very good
3	L. BASCETTA, G. Magnani, P. Rocco. Velocity estimation: assessing the performance of non model- based techniques, <i>IEEE Transactions on Control Systems Technology</i> , USA, Vol. 17, No. 2, March 2009, pp. 424-433.	Excellent
4	L. BASCETTA, P. Rocco. Revising the robust-control design for rigid robot manipulators, <i>IEEE Transactions on Robotics</i> , USA, Vol. 26, No. 1, February 2010, pp. 180-187.	Very good
5	L. BASCETTA, G. Magnani, P. Rocco, A.M. Zanchettin. Performance limitation in field-oriented control for asynchronous machines with low resolution position sensing, <i>IEEE Transactions on Control Systems Technology</i> , USA, Vol. 18, No. 3, May 2010, pp. 559-573.	Excellent
6	L. BASCETTA, P. Rocco, G. Magnani. Force ripple compensation in linear motors based on closed- loop position-dependent identification, <i>IEEE Transactions on Mechatronics</i> , USA, Vol. 15, No. 3, June 2010, pp. 349-359.	Excellent

7	G. Buizza Avanzini, N.M. Ceriani, A.M. Zanchettin, P. Rocco, L. BASCETTA. Safety control of industrial robots based on a distributed distance sensor, <i>IEEE Transactions on Control Systems Technology</i> , USA, Vol. 22, No. 6, November 2014, pp. 2127-2140.	Very good
8	M. Pirotta, M. Restelli, L. BASCETTA. Policy gradient in Lipschitz Markov Decision Processes, <i>Machine Learning</i> , Germany, Vol. 100, No. 2-3, September 2015, pp. 255-283.	Good
9	A.V. Papadopoulos, L. BASCETTA, G. Ferretti. Generation of human walking paths, <i>Autonomous Robots</i> , Germany, Vol. 40, No. 1, January 2016, pp 59-75.	Good
10	Bardaro, L. BASCETTA, E. Ceravolo, M. Farina, M. Gabellone, M. Matteucci. MPC-based control architecture of an autonomous wheelchair for indoor environments, <i>Control Engineering Practice</i> , The Netherlands, Vol. 78, 2018, pp. 160-174.	Good
11	B. Sakcak, L. BASCETTA, G. Ferretti, M. Prandini. Sampling-based optimal kinodynamic planning with motion primitives, <i>Autonomous Robots</i> , Germany, Vol. 43, 2019, pp. 1715-1732.	Good
12	B. Sakcak, L. BASCETTA, G. Ferretti, M. Prandini. An admissible heuristic to improve convergence in kinodynamic planners using motion primitives, <i>IEEE Control Systems Letters</i> , USA, Vol. 4, No. 1, 2020, pp. 175-180	Very good
13	L. BASCETTA, M. Baur, G. Ferretti. A simple and reliable technique to design kinematic-based sideslip estimators, <i>Control Engineering Practice</i> , The Netherlands, Vol. 96, 2020, pp. 1-17.	Good
14	L. BASCETTA, G. Ferretti. LFT-based identification of lateral vehicle dynamics, <i>IEEE Transactions on Vehicular Technology</i> , USA, Vol. 71, No. 2, February 2022, pp. 1349-1362.	Very good
15	L. BASCETTA, M. Farina, A. Gabrielli, M. Matteucci. A feedback linearisation algorithm for single-track models with structural stability properties, <i>Control Engineering Practice</i> , The Netherlands, Vol. 128, November 2022, pp. 105318.	Good

### Overall collective judgement

QUALITY OF SCIENTIFIC AND/OR PROJECT PRODUCTION, ASSESSED ON THE BASIS OF CRITERIA AND PARAMETERS RECOGNIZED BY THE INTERNATIONAL SCIENTIFIC COMMUNITY OF REFERENCE:

Luca Bascetta is the author of 37 articles appearing in international journals, most of which are of **good** quality, 1 contribution to a book, 87 articles presented at international conferences. The total citations (according to Scopus) are 1547 with a Hindex of 22.

With reference to the period of his research activity, the scientific production is **relatively** intense, of **good** quality and conducted with continuous commitment.

The scientific visibility of his research in the international community is **discreet**.

The submitted works are totally consistent with the thematic area of reference, and provide original contributions relating to robotics issues.

**The overall opinion on the scientific production is GOOD.**

DIDACTIC ACTIVITIES CARRIED OUT IN ITALIAN OR FOREIGN UNIVERSITIES OR BODIES:

The teaching activity has been **intense and continuous** since 2001, both in Bachelor and master's degree courses in Automation Engineering and "Agricultural Engineering".

The total number of credits "provided" at the Polytechnic of Milan is approximately 400. The candidate carries out or has carried out **intense** supervision work on master's degree theses and doctoral theses (7).

The overall opinion on the teaching activity is **EXCELLENT**

SCIENTIFIC RESPONSIBILITY FOR FUNDED RESEARCH PROJECTS:

He participated in 15 national projects as investigator, and was task leader and coordinator in two national projects and local coordinator of the European FP7 project.

**The overall opinion on scientific responsibility for funded research projects is GOOD.**

RESULTS OBTAINED IN TECHNOLOGY TRANSFER IN TERMS OF PARTICIPATION IN THE CREATION OF NEW ENTERPRISES (SPIN OFF), DEVELOPMENT, USE AND MARKETING OF PATENTS:

He is (co)-owner of 4 patents (3 national, one international).

The overall opinion on technology transfer is **GOOD**.

SCRUTINY OF THE DEGREE OF KNOWLEDGE OF THE ENGLISH LANGUAGE:

From the curriculum vitae and scientific publications it is clear that the knowledge of the English language is **VERY GOOD**.

## CANDIDATE: CORNO MATTEO

Matteo CORNO was born in 1980. He obtained a Master's Degree in Computer Engineering in 2005 and a PhD in Information Engineering in 2009, at the Polytechnic of Milan. He spent a few months abroad both as a student (University of Illinois, University of Minnesota) and as a post-doc (Johannes Kepler University in Linz). He was a researcher (assistant professor) at the Delft University of Technology (2009-2011), and subsequently a researcher at the Polytechnic of Milan. Since January 2015 he has been an Associate Professor at the Polytechnic of Milan, where he is currently a member of the Information Engineering Doctorate Board, coordinator of international exchanges of Automation curricula and member of the "open day" commission. He obtained the national qualification as full professor in 2018.

His main research interests concern the modeling, identification and control of the dynamics of wheeled, electric and hybrid vehicles and the estimation of the state of charge of batteries.

On these topics he was the author, or co-author, of 70 articles that appeared in international journals, 112 contributions to international conferences, and 5 book chapters.

He received the award for the best interactive article (poster) at the 2005 IFAC Congress and the award for best article in the magazine Control Engineering Practice 2021. Other awards concern the PoliMOVE team (where he is technical leader) winner of autonomous vehicle races (2022-2023), the Marconi prize from the Accademia dei Lincei for industrial innovation work (2015) and other prizes and mentions.

He held a plenary presentation in Mexico and 3 invited seminars in universities and research centers in Europe.

He was PI of 6 competitive research projects (ESA, Polisocial, Smart Fashion and Design, SIR -MUR, Honda 2 R&D Europe) and was PI or co-PI of 70 national and industrial projects (Merlo, Blubrake, Iveco, Winnica, Same Deutz Fahr, E-Shock, Yape, E-Novia, Magneti-Marelli, Maserati, Ducati, Aprilia, Fiat, Thales Alenia, Yamaha, Pirelli, Ferrari, Brembo, Lamborghini) and international (Hyundai, Huawei, Rimac Technology, Briggs and Stratton, Peugeot, HP Performance Systems, Yamaha), for a total of approximately 3 million euros in the period 2019-2023.

He is (co)-founder of 7 spin-offs of the Polytechnic, a company (enterprise factory) and (co)-owner of 20 patents.

From 2007 to 2010 he held exercises in Industrial Robotics and Automatic Controls courses. Subsequently he regularly held courses in the Bachelor's and Master's degrees (around 15 ETCS per year). He also taught two courses at the Delft University of Technology (7 ETCS, 2009-2011).

He has supervised numerous master's theses and 25 doctoral theses.

### PRESENTED PUBLICATIONS:

Number pub.	Type/ Publication	Score
1	M. Corno, N. Bhatt, S. M. Savaresi and M. Verhaegen (2014). <i>Electrochemical Model Based State of Charge Estimation for Li-ion Cells</i> . IEEE Transaction on Control Systems Technology. Vol 23, issue 1.	Very good
2	M.Corno, F. Roselli, and S.M. Savaresi (2016) <i>Bilateral Control of SeNZA: A Series Hybrid Electric Bicycle</i> in IEEE Transactions on Control Systems Technology 25(3), 864-874.	Excellent
3	Guanetti, S. Formentin, M. Corno, S. M. Savaresi (2017) <i>Optimal energy management in series hybrid electric bicycles</i> in Automatica 96-106.	Excellent
4	D. Selmanaj, M. Corno, G. Panzani and S. M. Savaresi (2017) <i>Vehicle sideslip estimation: A kinematic based approach</i> in Control Engineering zzzzz 67, 1-12.	Good
5	Corno, M., Pozzato, G. (2019). <i>Active adaptive battery aging management for electric vehicles</i> . IEEE Transactions on Vehicular Technology, 69(1), 258-269.	Very good

6	L. Lucchini A, Formentin S, Corno M, Piga D, Savaresi SM. (2020) <i>Torque vectoring for high-performance electric vehicles: an efficient MPC calibration</i> . IEEE Control Systems Letters. 2020 Mar 19;4(3):725-30.	Very good
7	Corno M, Panzani G, Roselli F, Giorelli M, Azzolini D, Savaresi SM. (2020) <i>An LPV Approach to Autonomous Vehicle Path Tracking in the Presence of Steering Actuation Nonlinearities</i> . IEEE Transactions on Control Systems Technology 29.4 (2020): 1766-1774.	Very good
8	Corno M. (2020) <i>Efficient Control-Oriented Coupled Electrochemical Thermal Modeling of Li-Ion Cells</i> . IEEE Transactions on Industrial Electronics, 68(8), pp. 7024-7033, 9144419	Excellent
9	Duz, A., Corno M. (2021) <i>Flexible Pricing Strategies in Electric Free-Floating Bicycle Sharing</i> . IEEE Access, vol. 9, pp. 152972-152983, 2021	Very good
10	Savaia, G., Panzani, G., Corno, M., Cecconi, J., Savaresi, S. M. (2021). <i>Hammerstein - Wiener modelling of a magneto-rheological dampers considering the magnetization dynamics</i> . Control Engineering Practice, 112, 104829.	Excellent
11	B. Duz, A., Gimondi, A., Corno, M. Savaresi, S.M. (2022) <i>An Efficient Eco-Planner for Autonomous Vehicles With Focus on Passengers Comfort</i> IEEE Transactions on Vehicular Technology Volume 71, Issue 7, Pages 6984 – 69951	Very good
12	Corno, M., Duz, A., Savaresi, S. M. (2021). <i>Design of a Charge-Sustaining Energy Management System for a Free-Floating Electric Shared Bicycle</i> . IEEE Transactions on Control Systems Technology, doi: 10.1109/TCST.2021.3071197.	Excellent
13	Corno, M., Gimondi, A. Panzani, G., Roselli, F. Alessandretti A. Savaresi S.M. (2022) <i>A Non-Optimization-Based Dynamic Path Planning for Autonomous Obstacle Avoidance</i> IEEE Transactions on Control Systems Technology, 31(2), pp.722-734.	Very good
14	M. Corno, M. Gerard, M. Verhaegen, E. Holweg (2012) <i>Hybrid ABS Control Using Force Measurement</i> IEEE Transactions on Control Systems Technology. vol.20, no.5, pp.1223,1235, Sept. 2012.	Very good
15	Marelli S., Corno M. (2021) <i>Model-Based Estimation of Lithium Concentrations and Temperature in Batteries Using Soft-Constrained Dual Unscented Kalman Filtering</i> . IEEE Transactions on Control System Technology 29(2) - 926-933	Very good

## Overall collective judgement

QUALITY OF SCIENTIFIC AND/OR PROJECT PRODUCTION, ASSESSED ON THE BASIS OF CRITERIA AND PARAMETERS RECOGNIZED BY THE INTERNATIONAL SCIENTIFIC COMMUNITY OF REFERENCE:

Matteo Corno is the author of 70 articles appearing in international journals, most of which are of **very good** quality, 5 contributions to books, 112 articles presented at international conferences. The total citations (according to Scopus) are 3155 with a Hindex of 28.

With reference to the period of his research activity, the scientific production is **intense**, of **very good** quality and conducted with continuous commitment.

The scientific visibility of his research in the international community is **good**, as demonstrated by his participation as a speaker in numerous international conferences, and his activity as a "plenary speaker" in an international conference and by 3 invited seminars in research centers abroad.

The submitted works are totally consistent with the thematic area of reference, and provide original contributions relating to the issues of control and energy management of wheeled, hybrid, electric and autonomous vehicles. Regarding this last aspect, publication number 10 received the CEP Paper Award. Another award for best interactive article at the 2015 IFAC Congress is worth mentioning.

**The overall opinion on the scientific production is VERY GOOD.**



TEACHING ACTIVITIES CARRIED OUT AT NATIONAL AND FOREIGN UNIVERSITIES OR INSTITUTIONS:

The teaching activity is intense and continuous. From 2007 to 2010 he held exercitations in Industrial Robotics and Automatic Controls courses. Subsequently he regularly held courses in the Bachelor's and Master's degrees (around 15 ETCS per year). The total number of credits "provided" at the Polytechnic of Milan is approximately 210. He also held two courses at the Delft University of Technology (7 ETCS, 2009-2011). The candidate carries out or has carried out intense supervision work on Master's theses (120) and doctoral theses (25).

**The overall opinion on the teaching activity is EXCELLENT**

SCIENTIFIC RESPONSIBILITY FOR FUNDED RESEARCH PROJECTS:

Matteo Corno was PI of 6 competitive research projects (ESA, Polisocial, Smart Fashion and Design, SIR - MUR, Honda 2 R&D Europe) and 70 national and industrial projects (Merlo, Blubrake, Iveco, Winnica, Same Deutz Fahr, E -Shock, Yape, E-Novia, Magneti-Marelli, Maserati, Ducati, Aprilia, Fiat, Thales Alenia, Yamaha, Pirelli, Ferrari, Brembo, Lamborghini) and international (Hyundai, Huawei, Rimac Technology, Briggs and Stratton, Peugeot, HP Performance Systems, Yamaha), for a total financing of approximately 3 million euros in the period 2019-2023.

**The overall opinion on scientific responsibility for funded research projects is EXCELLENT.**

RESULTS OBTAINED IN TECHNOLOGICAL TRANSFER IN TERMS OF PARTICIPATION IN THE CREATION OF NEW COMPANIES (SPIN OFF), DEVELOPMENT, USE AND MARKETING OF PATENTS:

Matteo Corno has an exceptional network of industrial relations and is (co)-founder of 7 spin-off companies of the Polytechnic (AS.CAR.I, AMDrive, Winnica, MiRide, Yape srl, Blubrake srl, ZeHus), of a company ( E-Novia, enterprise factory) and (co)-owner of 20 patents.

**The overall opinion on technology transfer is EXCELLENT**

ASSESSMENT OF THE DEGREE OF KNOWLEDGE OF THE ENGLISH LANGUAGE:

**From the curriculum vitae and scientific publications it is clear that the knowledge of the English language is VERY GOOD.**

## **CANDIDATE: FAGIANO LORENZO**

### **CURRICULUM:**

Lorenzo Mario FAGIANO was born in 1980. He obtained a Master's Degree in Automotive Engineering in 2004 and a doctorate in Information and Systems Engineering in 2009, from the Polytechnic of Turin. In 2005 he worked at the FIAT Research Center in Turin. He was a postdoctoral researcher at the Polytechnic of Turin (2009-10), Visiting Researcher at the University of California, Santa Barbara (2010-2012), postdoctoral researcher and Senior Researcher at ETH Zürich (2012-13). From October 2013 to August 2016 he worked at ABB Switzerland, Corporate Research as Senior Scientist. Since September 2016 he has been Associate Professor at the Polytechnic of Milan where he is currently vice-chair of the Automatic section of the PhD in Information Engineering and delegate for research and doctoral studies of the Department of Electronics, Information and Bioengineering. In 2014 (and then in 2018) he obtained the national habilitation as full professor.

His main research interests concern predictive control, energy generation with aircraft, the design of control and estimation systems with data-driven techniques, vehicle stability control, and the design of power switches. On these topics he was the author, or co-author, of 65 articles appearing in international journals, 95 contributions to international conferences, 3 book chapters.

From 2015 to 2020 he was Associate Editor of the IEEE Transactions on Control Systems Technology and is on the Editorial board of the IEEE Conference on Control Technology and Applications (since 2019) and of the European Control Conference (since 2020). He was the organizer of a good number of invited sessions in international conferences, organizer of a special issue of the journal IEEE Transactions on Control Technology and Applications in 2013 and IPC chair of an international conference. He is a senior member of the IEEE Control System Society.

He received the Best Paper of the Year Award from the journal IEEE Transactions on Control Systems Technology, and his doctoral thesis won two national student awards. He obtained a Marie Curie International Outgoing Fellowship and also two international awards from the European Commission for his contributions to energy systems and robotic systems.

He has been invited to give 4 plenary presentations, 1 semi-plenary presentation, 1 panel presentation in many international conferences and has held (around 30) invited seminars in universities and research centers of primary importance in Europe and the USA.

Up to date he has raised around 4.3 million euros both from public institutions - European Commission (1 EU Marie Curie, 1 EU Horizon innovation project, California Energy Commission, Swiss National Science Foundation, Ministry of University and Research (2 PRIN, 1 Partnership ), Ministry of Foreign Affairs (Italy-Serbia bilateral project, Cariplo Foundation - both private (ABB Corporate Research). Approximately 2.29 million euros were obtained in the role of PI or co-PI.

He is (co)-founder of two spin-off companies (one still active) and is co-owner of 6 patents.

In the period 2006-2010 he held courses at various levels at the Polytechnic of Turin, and since the 2016/17 Academic Year he has held first level (Bachelor's), second level (Master's degree) and third level (Doctorate) courses at the Politecnico di Milano. He regularly teaches doctoral courses at the European Embedded Control Institute.

He has supervised numerous master's theses and 7 doctoral theses.

## PRESENTED PUBLICATIONS:

Numero pub.	Type/ Publication	Score
1	L. Sabug, F. Ruiz, L. Fagiano, "SMGO: A set membership approach to data-driven global optimization", <i>Automatica</i> , vol. 133, pp. 109890, 2021	Excellent
2	M. Lauricella, L. Fagiano, "Set Membership identification of linear systems with guaranteed simulation accuracy", <i>IEEE Transactions on Automatic Control</i> , vol. 65, n. 12, pp. 5189-5204, 2020	Excellent
3	E. Terzi, M. Farina, L. Fagiano, R. Scattolini, "Learning-based predictive control for linear systems: A unitary approach", <i>Automatica</i> , vol. 109, pp. 108473, 2019	Excellent
4	M. Tanaskovic, L. Fagiano, C. Novara, M. Morari, "Data-driven control of nonlinear systems: an on-line direct approach", <i>Automatica</i> , vol. 75, pp. 1-10, 2017	Excellent
5	L. Fagiano, C. Novara, "Learning a nonlinear controller from data: theory, computation and experimental results", <i>IEEE Transactions on Automatic Control</i> , vol. 61, n. 7, pp. 1854-1868, 2016	Excellent
6	M. Tanaskovic, L. Fagiano, R. Smith, M. Morari, "Adaptive receding horizon control for constrained MIMO systems", <i>Automatica</i> , vol. 50, n. 12, pp. 3019-3029, 2014	Excellent
7	G. Schildbach, L. Fagiano, C. Frei, M. Morari, "The Scenario Approach for Stochastic Model Predictive Control with Bounds on Closed-Loop Constraint Violations", <i>Automatica</i> , vol. 50, n. 12, pp. 3009-3018, 2014	Excellent
8	L. Fagiano, A. Teel, "Generalized terminal state constraint for model predictive control", <i>Automatica</i> , vol. 49, n. 9, pp. 2622-2631, 2013	Excellent
9	C. Novara, L. Fagiano, M. Milanese, "Direct feedback control design for nonlinear systems", <i>Automatica</i> , vol. 49, n. 4, pp. 849-860, 2013	Excellent
10	M. Canale, L. Fagiano, M. Milanese, "Set Membership approximation theory for fast implementation of Model Predictive Control laws", <i>Automatica</i> , vol. 45, n. 1, pp. 45-54, 2009	Excellent
11	D. Sacconi, L. Cecchin and L. Fagiano, "Multitrajectory Model Predictive Control for Safe UAV Navigation in an Unknown Environment," in <i>IEEE Transactions on Control Systems Technology</i> , vol. 31, no. 5, pp. 1982-1997, 2023	Excellent
12	L. Fagiano, E. Nguyen-Van, F. Rager, S. Schnez, C. Ohler, "Autonomous Take-Off and Flight of a Tethered Aircraft for Airborne Wind Energy", <i>IEEE Transactions on Control Systems Technology</i> , vol. 26, n. 1, pp.151-166, 2018	Very good
13	A. Zraggen, L. Fagiano, M. Morari, "Automatic Retraction and Full Cycle Operation for a Class of Airborne Wind Energy Generators", <i>IEEE Transactions on Control Systems Technology</i> , vol. 24, n. 2, pp. 594-608, 2016	Very good
14	L. Fagiano, A. Zraggen, M. Morari, M. Khamash, "Automatic crosswind flight of tethered wings for airborne wind energy: modeling, control design and experimental results", <i>IEEE Transactions on Control Syst. Technology</i> , vol. 22, n. 4, pp. 1433-1447, 2014	Very good
15	M. Canale, L. Fagiano, M. Milanese, "High altitude wind energy generation using controlled power kites", <i>IEEE Transactions on Control Systems Technology</i> , vol. 18, n. 2, pp. 279-293, 2010	Excellent

**Overall collegial judgement**

QUALITY OF SCIENTIFIC PRODUCTION, ASSESSED ON THE BASIS OF CRITERIA AND PARAMETERS RECOGNIZED IN THE INTERNATIONAL SCIENTIFIC COMMUNITY OF REFERENCE:

Lorenzo Mario FAGIANO is the author of 65 articles appearing in international journals, most of which are highly qualified, 3 contributions to books, 95 articles presented at international conferences. The total citations (according to Scopus) are 3571 with a Hindex of 31.

With reference to the period of his research activity, the scientific production is **intense**, of **excellent** quality and conducted with **continuous** commitment.

The scientific visibility of his research in the international community is **excellent**, as demonstrated by the editorial activities for an international scientific journal of considerable value, the editorial and organizational activity in leading conferences in the sector, the activity as "plenary speaker" in 6 conferences international conferences and 30 seminars invited to many universities and research centers abroad.

The submitted works are totally consistent with the thematic area of reference, and provide original contributions relating to the topics of predictive control, "set membership" identification, the direct design of observers/controllers, aerial robotic systems and the development of wind power systems of energy production. Regarding this last aspect, publication number 15 received the 2011 "IEEE Transactions on Control Systems Technology Outstanding Paper Award". Further international recognitions for his scientific activity are worth mentioning, such as the "European Control Award 2019" and the "Mission Innovation Award 2019".

**The overall opinion on the scientific production is EXCELLENT.**

TEACHING ACTIVITIES CARRIED OUT AT NATIONAL AND FOREIGN UNIVERSITIES OR INSTITUTIONS:

In the period 2006-2010, the candidate as assistant taught 10 first and second level degree courses and 4 doctorate courses at the Polytechnic of Turin. Since the 2016/17 Academic Year he has taught 16 first and second level degree courses (approximately 125 ECTS) and 6 doctorate courses at the Polytechnic of Milan. Of these 16 courses, 4 are so-called "Project work" courses, innovative teachings offered by a company to a limited number of students. Since 2021, he has been co-organizer and teacher of 3 editions of international doctoral courses of the European Embedded Control Institute. With project funds the candidate has funded and established a new laboratory, called Safe Automation Systems Laboratory (SAS-Lab), which currently includes 7 PhD candidates and one post-doc. The candidate is supervisor of 7 PhD students at the Polytechnic of Milan.

**The overall opinion on the teaching activity is VERY GOOD.**

SCIENTIFIC RESPONSIBILITY FOR FUNDED RESEARCH PROJECTS:

To date, the candidate has raised approximately 4.3 million euros both from public institutions - European Commission (1 EU Marie Curie, 1 EU Horizon innovation project, California Energy Commission, Swiss National Science Foundation, Ministry of University and Research (2 PRIN, 1 Partnership), Ministry of Foreign Affairs (Italy-Serbia bilateral project, Cariplo Foundation - both private (ABB Corporate Research)). Approximately 2.29 million euros were obtained in the role of PI or co-PI.

**The overall opinion on scientific responsibility for funded research projects is EXCELLENT.**

RESULTS OBTAINED IN TECHNOLOGICAL TRANSFER IN TERMS OF PARTICIPATION IN THE CREATION OF NEW COMPANIES (SPIN OFF), DEVELOPMENT, USE AND MARKETING OF PATENTS:

During his four years of work experience as a researcher in ABB Corp. Research, Lorenzo Fagiano was involved in several technology transfer projects from "Corporate Research" to the "Business Unit". Lorenzo Fagiano has 6 patents to his credit (as co-inventor) in the field of energy system control and electrical system diagnostics. Lorenzo Fagiano is co-founder of two companies - Kitenergy S.r.l., Turin, Italy, in the field of wind

energy generation (11/2010, still active), and the company STEM S.r.l., Milan, Italy, in the field of autonomous aircraft ( 12/2018, no longer active).

**The overall opinion on technology transfer is EXCELLENT**

ASSESSMENT OF THE DEGREE OF KNOWLEDGE OF THE ENGLISH LANGUAGE:

From the curriculum vitae and scientific publications it is clear that the knowledge of the English language is **VERY GOOD.**

## CANDIDATE: FARINA MARCELLO

### CURRICULUM:

Marcello FARINA was born in 1978. He obtained a Master's Degree in Electronic Engineering in 2003 and a doctorate in Information Engineering in 2007 from the Polytechnic of Milan. During his studies he had a research internship at CESI (now RSE), a contract at the Istituto Nazionale di Metrologia Galileo Ferraris, and was a visiting student at the University's Institute for System Theory and Automatic Control of Stuttgart. He was then a research fellow (from 2009 to 2011), researcher (from 2011 to 2014) at the Polytechnic of Milan, where, since the end of 2014, he has been an associate professor. He is part of the teaching staff of the Information Engineering doctorate. In 2018 he obtained the national qualification as first level professor. His main research interests concern predictive, decentralized and hierarchical identification and control applied to autonomous vehicles, electrical systems, and biological systems. On these topics he was the author, or co-author, of 67 articles appearing in international journals, 73 contributions to international conferences, 5 book chapters.

From 2013 to 2023 he was Associate Editor for the European Control Conference. Since 2016 he has been Subject Editor of the Journal of Adaptive Control and Signal Processing and since 2019 he has been Associate Editor of the IFAC Automatica journal.

He has held (about 16) invited seminars in universities and research centers of primary importance in Europe.

He received the EU Maria Curie Fellowship in 2005, a grant (Ingenio Fellowship) from the Lombardy region and a 2017 FARB basic research grant.

Marcello Farina has participated in numerous research projects. In particular, he was the scientific coordinator of the Polisocial 2021 project (funded by the Polytechnic of Milan) and is the local coordinator of a Prin 2022. He has obtained private research contracts from Addfor srl and Elettrolux Italia srl and has participated as a researcher in numerous industrial projects with RSE, Siemens, Inrim, EDF (French electricity company).

He is co-owner of 1 patents (under revision).

He has held exercises and lectures in first and second level courses since 2004, for a total of approximately 160 ECTS. Numerous PhD courses in Italy and also abroad within the European Embedded Control Institute are worth mentioning. He has supervised or co-supervised 36 Master's theses and 9 PhD theses.

### PRESENTED PUBLICATIONS:

Numero pub.	Type/ Publication	Score
1	Terzi, L. Fagiano, M. Farina, R. Scattolini. Learning-based predictive control for linear systems: a unitary approach. <i>Automatica</i> . Volume 108, pp. 1-13, 2019.	Excellent
2	M. Farina, X. Zhang, R. Scattolini. A hierarchical multi-rate MPC scheme for interconnected systems. <i>Automatica</i> . Volume 90, 2018, pp. 38-46.	Excellent
3	M. Farina, R. Carli. Partition-based Distributed Kalman Filter with plug and play features. <i>IEEE Transactions on Control of Network Systems</i> . Volume 5 (1), 2018, pp 560-570.	Excellent
4	S. Raimondi Cominesi, M. Farina, L. Giulioni, B. Picasso, R. Scattolini. A two-layer stochastic Model Predictive Control scheme for microgrids. <i>IEEE</i>	Very good

	<i>Transactions on Control Systems Technology</i> , Volume 26(1), pp. 1-13, 2018.	
5	M. Farina, L. Giulioni, R. Scattolini. Stochastic linear Model Predictive Control with chance constraints - a review. <i>Journal of Process Control</i> , Volume 44, pp. 53-67, 2016.	Very good
6	Farina, R. Scattolini. Model predictive control of linear systems with multiplicative unbounded uncertainty and chance constraints. <i>Automatica</i> , Volume 70, pp. 258-265, 2016.	Very good
7	M. Farina, L. Giulioni, L. Magni, R. Scattolini. An MPC approach to output-feedback control of stochastic linear discrete-time systems. <i>Automatica</i> . Volume 55, pp. 140-149, 2015.	Very good
8	S. Rivero, M. Farina, G. Ferrari Trecate. Plug-and-play model predictive control based on robust control invariant sets. <i>Automatica</i> . Volume 50, Issue 8, pp. 2179-2186, 2014.	Very good
9	G. Betti, M. Farina, and R. Scattolini. A robust MPC algorithm for offset-free tracking of constant reference signals. <i>IEEE Transactions on Automatic Control</i> . Volume 58, number 9, 2013, pp.2394-2400.	Very good
10	S. Rivero, M. Farina, and G. Ferrari Trecate. Plug-and-Play Decentralized Model Predictive Control for Linear Systems. <i>IEEE Transactions on Automatic Control</i> . Volume 58, number 10, 2013, pp. 2608-2614.	Very good
11	Farina and R. Scattolini. Distributed predictive control: a non-cooperative algorithm with neighbor- to-neighbor communication for linear systems. <i>Automatica</i> 48, pp. 1088 - 1096, 2012.	Excellent
12	Farina, G. Ferrari-Trecate and R. Scattolini. Distributed Moving Horizon Estimation for Linear Con- strained Systems. <i>IEEE Transactions on Automatic Control</i> . Volume 55 (11), pp. 2462-2475, 2010.	Excellent
13	M. Farina, G. Ferrari-Trecate and R. Scattolini. Moving-horizon partition-based state estimation of large- scale systems. <i>Automatica</i> , Volume 46(5). pp. 910-918, 2010.	Very good
14	E. Pisoni, M. Farina, C. Carnevale, L. Piroddi. Forecasting peak air pollution levels using NARX models. <i>Engineering Applications of Artificial Intelligence</i> , 22 (4-5), pp. 593-602, 2009.	Good
15	W. D'Amico, M. Farina. Virtual Reference Feedback Tuning for linear discrete-time systems with robust stability guarantees based on Set Membership. <i>Automatica</i> , Volume 157, n. 1112282023, 2023.	Excellent

### Overall collective judgement

QUALITY OF SCIENTIFIC AND/OR PROJECT PRODUCTION, ASSESSED ON THE BASIS OF CRITERIA AND PARAMETERS RECOGNIZED BY THE INTERNATIONAL SCIENTIFIC COMMUNITY OF REFERENCE:

Marcello Farina is the author of 67 articles appearing in international journals, most of which are of **excellent** quality, 5 contributions to books, 73 articles presented at international conferences. The total citations (according to Scopus) are 2717 with a Hindex of 26.

With reference to the period of his research activity, the scientific production is **intense**, of **excellent** quality and conducted with continuous commitment.

The scientific visibility of his research in the international community is **very good**, as demonstrated by the editorial activities for two international scientific journals, one of considerable value, by the editorial and organizational activity in leading conferences in the sector, by the seminar activity carried out upon invitation in many European universities and research centers.

The submitted works are totally consistent with the thematic area of reference, and provide original contributions relating to the issues of identification and predictive, hierarchical and decentralized control. Some recognitions for his scientific activity are worth mentioning, such as an EU Marie Curie Fellowship and a FARB 2017 grant.

**The overall opinion on the scientific production is VERY GOOD.**

TEACHING ACTIVITIES CARRIED OUT AT NATIONAL AND FOREIGN UNIVERSITIES OR INSTITUTIONS:

Marcello Farina has held exercises and lessons in first and second level courses since 2004, for a total of approximately 160 ECTS. Numerous PhD courses in Italy and also abroad within the European Embedded Control Institute are worth mentioning. He has supervised or co-supervised 36 Master's theses and 9 PhD theses. Three master's theses supervised by the candidate have won prizes

**The overall opinion on the teaching activity is EXCELLENT.**

SCIENTIFIC RESPONSIBILITY FOR FUNDED RESEARCH PROJECTS:

Marcello Farina has participated or participates in various research projects, few with direct responsibility. In particular, he was the scientific coordinator of the Polisocial 2021 project (funded by the Polytechnic University of Milan) and is the local coordinator of a Prin 2022.

He has also obtained private research contracts from Addfor srl and Elettrolux Italia srl and has participated as a researcher in numerous industrial projects with RSE, Siemens, Inrim, EDF (French electricity company).

**The overall opinion on scientific responsibility for funded research projects is GOOD**

RESULTS OBTAINED IN TECHNOLOGICAL TRANSFER IN TERMS OF PARTICIPATION IN THE CREATION OF NEW COMPANIES (SPIN OFF), DEVELOPMENT, USE AND MARKETING OF PATENTS

Marcello Farina has collaborated in various industrial/application projects. There are no activities aimed at creating new businesses. There is co-ownership of 1 patent (under review).

**The overall opinion on technology transfer is FAIR**

ASSESSMENT OF THE DEGREE OF KNOWLEDGE OF THE ENGLISH LANGUAGE:

From the curriculum vitae and scientific publications it is clear that the knowledge of the English language is VERY GOOD.



## CANDIDATE: GARATTI SIMONE

### CURRICULUM:

Simone GARATTI was born in 1976. He obtained a Master's Degree in Electronic Engineering in 2000 and a doctorate in Information Engineering in 2004, at the Polytechnic of Milan. Since 2013 he has been a member of the teaching board for the doctorate in Information Engineering and vice-chair for the Automatics area of the same doctoral course.

In 2020 he obtained the national qualification as first level professor.

His main research interests concern the identification, optimization and control of data with an innovative approach, known as "scenario", which the candidate has successfully introduced into the Automatica scientific community. On these topics he was the author, or co-author, of 41 articles appearing in international journals, 62 contributions to international conferences, 4 chapters in books. It is worth mentioning the presence of a monographic book published by SIAM in 2018.

Since 2020 he has been Associate Editor for the Journal of Adaptive Control and Signal Processing and the journal Machine Learning and Knowledge Extraction. Since 2019 he has been a member of the CEB of the IEEE CSS and from 2013 to 2020 he was a member of the CEB of the EUCA. He has participated in the organization of some conferences as a member of the editorial board, publicity chair, and organizer of invited sessions.

Simone Garatti was "main speaker" at the ECSO-CMS Conference, "keynote speaker" in an IEEE conference and "invited speaker" in 5 international workshops. He also held 8 invited seminars in universities and research centers of primary importance in Europe, Australia and the USA.

He received a short-term mobility fellowship from the CNR for a visit to the University of California.

Simone Garatti has participated in numerous research projects. In particular, he was PI in a research project in the Lombardy region and in an industrial project.

He has held exercises and lectures in first and second level courses since 2000, for a total of approximately 380 ECTS. Of note are 113 hours of teaching held within the HYCON-EECI (International Graduate studies in Control). abroad within the European Embedded Control Institute. He has supervised or co-supervised 18 Master's theses and 5 PhD theses.

### PUBBLICAZIONI PRESENTATE:

Numero pub.	Type/ Publication title	Score
1	<i>S. Garatti, M.C. Campi, S. Bittanti, "Assessing the quality of identified models through the asymptotic theory – When is the result reliable?", <b>Automatica (regular paper)</b>, 40(8): 1319-1332, 2004.</i>	Excellent
2	<i>M. Campi, S. Garatti, "The exact feasibility of randomized solution of uncertain convex programs", <b>SIAM Journal on Optimization</b>, 19(3): 1211-1230, 2008.</i>	Excellent
3	<i>M.C. Campi, G. Calafiore, S. Garatti, "Interval predictor models: identification and reliability", <b>Automatica (regular paper)</b>, 45(2): 382-392, 2009.</i>	Excellent
4	<i>M. Campi, S. Garatti, M. Prandini, "The scenario approach for systems and control design", <b>Annual Reviews in Control</b>, 33(2):149-157, 2009.</i>	Good
5	<i>S. Garatti, R.R. Bitmead, "On resampling and uncertainty estimation in linear system identification", <b>Automatica (regular paper)</b>, 46(5): 785-795, 2010.</i>	Excellent
6	<i>M. Prandini, S. Garatti, R. Vignali, "Performance assessment and design of abstracted models for stochastic hybrid systems through a randomized approach", <b>Automatica (brief paper)</b>, 50(11): 2852-2860, 2014.</i>	Very good
7	<i>A. Falsone, K. Margellos, S. Garatti, M. Prandini, "Dual decomposition for multi-</i>	Excellent

	agent distributed optimization with coupling constraints”, <b>Automatica (regular paper)</b> , 84:149-158, 2017.	
8	K. Margellos, A. Falsone, <i>S. Garatti</i> , M. Prandini, “ <i>Distributed constrained optimization and consensus in uncertain networks via proximal minimization</i> ”, <b>IEEE Transactions on Automatic Control (full paper)</b> , 63(5):1372-1387, 2018.	Excellent
9	M.C. Campi, <i>S. Garatti</i> , F.A. Ramponi, “ <i>A general scenario theory for non-convex optimization and decision making</i> ”, <b>IEEE Transactions on Automatic Control (full paper)</b> , 63(12):4067-4078, 2018.	Excellent
10	<i>S. Garatti</i> , M.C. Campi, A. Carè, “ <i>On a class of interval predictor models with universal reliability</i> ”, <b>Automatica (brief paper)</b> , 110(108542):1-9, 2019.	Very good
11	A. Falsone, L. Deori, D. Ioli, <i>S. Garatti</i> , M. Prandini, “ <i>Optimal disturbance compensation for constrained linear systems operating in stationary conditions: a scenario-based approach</i> ”, <b>Automatica (brief paper)</b> , 110(108537):1-9, 2019.	Very good
12	L. Deori, <i>S. Garatti</i> , M. Prandini, “ <i>A randomized relaxation method to ensure feasibility in stochastic control of linear systems subject to state and input constraints</i> ”, <b>Automatica (brief paper)</b> , 115(108854):1-9, 2020.	Very good
13	A. Falsone, L. Deori, D. Ioli, <i>S. Garatti</i> , M. Prandini, “ <i>Optimal steady-state disturbance compensation for constrained linear systems: the Gaussian noise case</i> ”, <b>IEEE Transactions on Automatic Control (full paper)</b> , 67(12):6322-6332, 2022.	Very good
14	A. Falsone, K. Margellos, J. Zizzo, M. Prandini, <i>S. Garatti</i> , “ <i>On the Sensitivity of Linear Resource Sharing Problems to the Arrival of New Agents</i> ”, <b>IEEE Transactions on Automatic Control (full paper)</b> , 68(1):272-284, 2023.	Very good
15	<i>S. Garatti</i> , M.C. Campi, A. Carè, “ <i>Complexity is an effective observable to tune early stopping in scenario optimization</i> ”, <b>IEEE Transactions on Automatic Control (full paper)</b> , 68(2):928-942, 2023.	Excellent

### Overall collective judgement

QUALITY OF SCIENTIFIC AND/OR PROJECT PRODUCTION, ASSESSED ON THE BASIS OF CRITERIA AND PARAMETERS RECOGNIZED BY THE INTERNATIONAL SCIENTIFIC COMMUNITY OF REFERENCE:

Simone Garatti is the author/co-author of 41 articles appearing in international journals, most of which are highly qualified, 4 contributions to books, 62 articles presented at international conferences and 1 book "Introduction to the scenario approach", published by SIAM, 2018. The total citations (according to Scopus) are 2181 with a Hindex of 19.

With reference to the period of his research activity, the scientific production is **intense**, of **excellent** quality and conducted with **continuous** commitment.

The scientific visibility of his research in the international community is **excellent**, as demonstrated by the editorial activities for two international scientific journals, by the editorial and organizational activity in leading conferences in the sector, by the seminar activity carried out upon invitation in various universities and research centers European countries, India, Canada and Australia.

The submitted works are totally consistent with the thematic area of reference, and provide original contributions relating to the issues of identification, identification, optimization and control from data with an innovative approach, called "scenario".

### The overall opinion on the scientific production is EXCELLENT

TEACHING ACTIVITIES CARRIED OUT AT NATIONAL AND FOREIGN UNIVERSITIES OR INSTITUTIONS:

He has held exercises and lectures in first and second level courses since 2000, for a total of approximately 380 ECTS. Of note are 113 hours of teaching held within the HYCON-ECCI (International Graduate studies in Control), abroad within the European Embedded Control Institute.

You have supervised or co-supervised 18 Master's theses and 5 PhD theses.

**The overall opinion on the teaching activity is EXCELLENT.**

SCIENTIFIC RESPONSIBILITY FOR FUNDED RESEARCH PROJECTS:

Simone Garatti participated in numerous research projects. In particular, he was PI in a project issued by The Lombardia region.

**The overall opinion on scientific responsibility for funded research projects is DISCREET**

RESULTS OBTAINED IN TECHNOLOGICAL TRANSFER IN TERMS OF PARTICIPATION IN THE CREATION OF NEW COMPANIES (SPIN OFF), DEVELOPMENT, USE AND MARKETING OF PATENTS

Simone Garatti has collaborated in various industrial/application projects. There are no activities aimed at the creation of new businesses or patents accepted or proposed for review.

**The overall opinion on technology transfer is WEAK**

ASSESSMENT OF THE DEGREE OF KNOWLEDGE OF THE ENGLISH LANGUAGE:

From the curriculum vitae and scientific publications it is clear that the knowledge of the English language is **VERY GOOD.**

THE SELECTION BOARD

*Prof. Patrizio Colaneri (Presidente e Segretario)*

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*Prof. Bart De Schutter (Componente)*



*Prof. Moritz Diehl (Componente)*



PUBLIC SELECTION ESTABLISHED WITH DIRECTOR'S DECREE NO. 2023\_PRO\_DEIB\_5 OF 14/07/2023 PURSUANT TO THE NOTICE PUBLISHED IN THE OFFICIAL GAZETTE NO. 28/07/2023, n. 57 FOR 1 POSITION AS FULL PROFESSOR FOR THE COMPETITION SECTOR 09/G1 - SYSTEMS AND CONTROL ENGINEERING - SDS ING-INF/04 - SYSTEMS AND CONTROL ENGINEERING, PURSUANT TO ART. 18 - LAW 240/2010, AT THE POLITECNICO DI MILANO - DEPARTMENT OF ELECTRONICS, INFORMATION AND BIOENGINEERING (PROCEDURE CODE 2023\_PRO\_DEIB\_5).

ATTACHMENT No. 2 to the FINAL REPORT

MERIT RANKING

SURNAME AND NAME	Overall score
Lorenzo Fagiano	93
Matteo Corno	90
Luca Bascetta	79
Marcello Farina	77
Simone Garatti	76

Milan, 1° December 2023

THE SELECTION BOARD

Prof. Patrizio Colaneri (President and Secretary) \_\_\_\_\_

Prof. Bart De Schutter (Member)



Prof. Moritz Diehl (Member)

