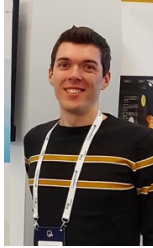


CV of Dr. ALESSANDRO MINGOTTI

A. PERSONAL DETAILS



First Name: Alessandro

Last Name: Mingotti

Date of birth: 18/12/1992

Nationality: Italian

Office address: Viale del Risorgimento 2, Edificio storico, Bologna

E-mail: alessandro.mingotti2@unibo.it

B. EDUCATION

Postdoctoral researcher (11/19 - 10/21) at the University of Bologna, department of electric, electronic and information engineering, “Guglielmo Marconi”, under the supervision of Prof. Lorenzo Peretto.

Main topic: Characterization of Low-Power Instrument Transformers in presence of multiple influence quantities.

Associate Professor Qualification. (16/11/20) National qualification, to the associate professor position, for the sector 09/E4 “Measurements”.

Ph.D. (3 years) in Biomedical, Electrical and Systems Engineering. Section: Electrical.

Final dissertation: 16/03/2020.

Title of the Thesis: Integration of conventional and unconventional instrument transformers into smart grid operations.

Supervisor: Prof. Lorenzo Peretto

Master Degree (2 years) obtained on 07/10/2016 at Alma Mater Studiorum Università di Bologna Scuola di INGEGNERIA e ARCHITETTURA. LM-28 - Laurea in Ingegneria industriale, denominazione corso: INGEGNERIA dell'ENERGIA ELETTRICA.

Final mark: 110/110 with honors.

Title of the thesis: Misure e metriche per l'analisi, la valutazione e la riduzione dei rischi nei lavori elettrici.

Supervisor: Prof. Lorenzo Peretto

Bachelor Degree (3 years) obtained on 17/07/2014 at Alma Mater Studiorum Università di Bologna Scuola di INGEGNERIA e ARCHITETTURA. L-9 - Laurea in Ingegneria industriale, denominazione corso: INGEGNERIA ELETTRICA.

Final Mark: 104/110.

Title of the thesis: Modelli per la simulazione di scariche tipo streamer in olio minerale.

Supervisor: Prof. Andrea Cavallini

C. CURRENT POSITION

From 25/10/2021 Senior Assistant Professor at the University of Bologna.

D. TEACHING ACTIVITIES

a. *Tutorship*

- i. 2016-18: Tutor of the course “Applied Measurements for Power Systems M”, of Prof. Lorenzo Peretto, Master Degree in Ingegneria dell’Energia Elettrica, Scuola di Ingegneria e Architettura, Università di Bologna.
- ii. 2016-19: Tutor of the course “Misure Meccaniche, Termiche e di collaudo T”, of Prof. Lorenzo Peretto, Bachelor Degree in Ingegneria Meccanica, Scuola di Ingegneria e Architettura, Università di Bologna.
- iii. 2018-21: Tutor of the course “Affidabilità Controllo Qualità E Certificazione Di Processo e di Prodotto T”, of Dr. Paola Rinaldi, Bachelor Degree in Ingegneria gestionale, Scuola di Ingegneria e Architettura, Università di Bologna.
- iv. 2019/20: Tutor of the course “Strumentazione e metodi per le misure su sistemi elettrici M”, of Prof. Roberto Tinarelli, Master Degree in Ingegneria dell’energia elettrica, Scuola di Ingegneria e Architettura, Università di Bologna.
- v. 2021/22: Head of the course “Instrumentation For Electrical Engineering And Smart Cities”, Master Degree program of Electrical Energy Engineering.

b. *Other activities*

- i. From 06/2017 to date: Expert member for the power system sector for “*Esame di Stato per l’abilitazione all’esercizio della Professione di Ingegnere, sezione A e B*”. Italian national exam for the habilitation to the profession of engineer.

c. *Courses and seminars*

- i. 05/09/16: Seminar of excellence “Italo Gorini” 2016, Associazione Italiana GMEE, Cagliari. Organized by: Prof. Carlo Muscas.
- ii. 12/12/16: Labview Core 1 course. Organized by: Giuseppe Barillaro
- iii. 15/12/16: Labview Core 2 course. Organized by: Giuseppe Barillaro
- iv. 28/08/17: Seminar of excellence “Italo Gorini” 2017, Associazione Italiana GMEE, Catania. Organized by: Prof. Salvatore Baglio.
- v. 10/09/18: Seminar of excellence “Italo Gorini” 2018, Associazione Italiana GMEE, CERN, Ginevra. Organized by: Prof. Pasquale Arpaia.
- vi. 02/09/19: Seminar of excellence “Italo Gorini” 2018, Associazione Italiana GMEE, University of Naples, Naples. Organized by: Prof. Pasquale Arpaia.
- vii. 19/10/20: Labview Core 3 course. Organized by: Stefano Rimondo

d. *Congresses & Workshops*

- i. 22/05/17: IEEE I2MTC, International Instrumentation and Measurements Technology Conference, Torino, Italy.
- ii. 14/09/17: GMEE, Associazione italiana Gruppo Misure Elettriche ed Elettroniche, Modena.
- iii. 20/09/17: AMPS, IEEE international workshop on Applied Measurements for Power Systems, Liverpool, UK.
- iv. 21/02/18: CNS, IEEE Convegno Nazionale Sensori, Catania.
- v. 15/05/18: IEEE I2MTC, International Instrumentation and Measurements Technology Conference, Houston (Texas), IEEE.
- vi. 03/09/18: IMEKO, IEEE “International Measurement Confederation”, Belfast.
- vii. 17/09/18: GMEE, Associazione italiana Gruppo Misure Elettriche ed Elettroniche, Padova, Italy.

- viii. 26/09/18: Workshop AMPS, “Applied Measurements for Power Systems”, Bologna, Italy.
- ix. 03/06/19: Workshop Metrology for Industry 4.0 and IoT, Naples, Italy.
- x. 14/09/19: GMEE, Associazione italiana Gruppo Misure Elettriche ed Eletttroniche, Perugia, Italy.
- xi. 17/09/19: IMEKO TC4, IEEE “International Measurement Confederation”, Xi’an, China.
- xii. 25/09/19: Workshop AMPS, “Applied Measurements for Power Systems”, Aachen, Germany.
- xiii. 16/09/21: GMEE, Associazione italiana Gruppo Misure Elettriche ed Eletttroniche, Giardini Naxos, Italy.
- xiv. 15/05/22: IEEE I2MTC, International Instrumentation and Measurements Technology Conference, Ottawa, Canada, IEEE.
- xv. 01/06/22: IEEE ICHQP, International Conference, Naples, Italy, IEEE.
- xvi. 16/09/22: GMEE, Associazione italiana Gruppo Misure Elettriche ed Eletttroniche, Brescia, Italy.
- xvii. 28/09/22: Workshop AMPS, “Applied Measurements for Power Systems”, Cagliari, Italy.
- xviii. 15/05/23: IEEE I2MTC, International Instrumentation and Measurements Technology Conference, Kuala Lumpur, Malaysia, IEEE.
- xix. 29/09/23: Workshop AMPS, “Applied Measurements for Power Systems”, Bern, Switzerland.

e. Scientific research abroad

- i. 01/07/19 – 01/10/19: University of Aachen, RWTH – E.On Energy Center. Mathieustraße 10, 52074 Aachen.

f. Participation in European Projects

- i. FTI Project, ADMS - SmartGrid Active Distribution Management System to accommodate Renewable Energy Sources and Low Carbon Emissions, 2016-2018.
- ii. SOGNO – H2020 Project, number 774613 - Service Oriented Grid for the Network of the Future, 2018-2020.
- iii. FUTURE GRID II, EURAMET 17IND06 - Metrology for the next-generation digital substation instrumentation, 2018-2021.
- iv. EdgeFLEX – H2020 Project, number 883710 - Providing flexibility to the grid by enabling VPPs to offer both fast and slow dynamics control services, 2020-2023.
- v. EURAMET - 19NRM05 – IT4PQ - Measurement methods and test procedures for assessing accuracy of Instrument Transformers for Power Quality Measurements.
- vi. EURAMET – 22NRM06 – ADMIT – Characterization of AC and DC MV instrument transformers in extended frequency range up to 150 kHz, 2023-2026.

g. Awards

- i. Outstanding presentation award – Seminar “Italo Gorini”, August 2018, Catania, Italy.
- ii. Outstanding reviewers 2020 – IEEE Transaction on Instrumentation and Measurements.
- iii. Outstanding reviewers 2021 – IEEE Transaction on Instrumentation and Measurements.
- iv. Outstanding reviewers 2022 – IEEE Transaction on Instrumentation and Measurements.
- v. Outstanding reviewers 2022 – IEEE Open Journal of Instrumentation and Measurements.

h. Memberships and affiliations

- i. *From 11/2017 to 12/2020, IEEE student member.*
- ii. *Since 03/2020, member of the reviewer board of Composite Science, MDPI Journal (https://www.mdpi.com/journal/jcs/submission_reviewers).*
- iii. *Since 09/2020, member of Technical Committee TC10 "Waveform Generation, Measurement and Analysis" <https://sagroups.ieee.org/im-wma-tc10/>*
- iv. *Since 10/2020, member of the Topic Editor Board of Sensors Journal, MDPI https://www.mdpi.com/journal/sensors/topic_editors*
- v. *2021, Guest Editor of the Energies Journal Special Issue "Selected papers from 2021 IEEE International workshop on Metrology for automotive"*
- vi. *Since 01/2021, IEEE member.*
- vii. *Since 11/2021, member of the Measurement and Measurement: Sensors Early Career Advisory Board.*
- viii. *Since 07/23, Associate Editor of IEEE Transaction on Instrumentation and Measurement.*

Bologna, 02 Nov 2023

Dr. Alessandro Mingotti