

Antonello Tamburrino

Curriculum Vitae et Studiorum Revised March 25th, 2021

I. PERSONAL DATA

Address: Dipartimento di Ingegneria Elettrica e dell'Informazione
Università degli Studi di Cassino e del Lazio Meridionale
Via G. Di Biasio, 43
Cassino, 03043, Italy

Orig. Date of Employment: November 1, 1994

Citizenship: Italian

II. EDUCATION

1996	Ph.D.	Electronic Engineering Thesis: "Reconstruction of conductivity profiles by non-linear methods" Advisor: Prof. Vito Daniele Politecnico di Torino Torino, Italy
1992	Laurea	Electronic Engineering (Magna cum laude) Thesis: "Fractals in electromagnetics" Advisor: Prof. Giorgio Franceschetti Università degli Studi di Napoli "Federico II" Napoli, Italy

III. ACADEMIC EXPERIENCE

December 2006 - present	Full Professor (Electrical Engineering) Università degli Studi di Cassino, Cassino, 03043, Italy
Jan. 2019 – Dec. 2019	Adjunct Professor (Electrical Engineering) Michigan State University, East Lansing (MI-48824), USA
Jan. 2014 – Dec. 2018	Full Professor (Electrical Engineering) (fixed-term, half-time position) Michigan State University, East Lansing, MI-48824, USA

Jan. 2007 – Dec. 2013	Adjunct Professor (Electrical Engineering) Michigan State University, East Lansing (MI-48824), USA
Jul. 2003 – Dec. 2006	Adjunct Associate Professor (Electrical Engineering) Michigan State University, East Lansing (MI-48824), USA
Oct. 2001 – Dec. 2006	Associate Professor (Electrical Engineering) Università degli Studi di Cassino, Cassino, 03043, Italy
1994 - September 2001	Assistant Professor (Electrical Engineering) Università degli Studi di Cassino, Cassino, 03043, Italy
2013 - present	Member of the <i>Dipartimento di Ingegneria Elettrica e dell'Informazione</i> , Università degli Studi di Cassino, Cassino, 03043, Italy
1999 - 2012	Member of the <i>Dipartimento di Automazione, Elettromagnetismo, Ingegneria dell'Informazione e Matematica Industriale</i> , Università degli Studi di Cassino, Cassino, 03043, Italy
1994 – 1998	Member of the <i>Dipartimento di Ingegneria Industriale</i> , Università degli Studi di Cassino, Cassino, 03043, Italy

IV. PERIODS OF STUDY AND RESEARCH IN FOREIGN COUNTRIES

January – May 2018	Professor at the Department of Electrical Engineering and Computer Science, Michigan State University, East Lansing, USA. He taught the course ECE802-612 “Inverse Problems and Imaging” for the graduate students.
January – May 2017	Professor at the Department of Electrical Engineering and Computer Science, Michigan State University, East Lansing, USA.
January – May 2016	Professor at the Department of Electrical Engineering and Computer Science, Michigan State University, East Lansing, USA. He taught the course ECE802-608 “Inverse Problems and Imaging” for the graduate students.
January – May 2015	Professor at the Department of Electrical Engineering and Computer Science, Michigan State University, East Lansing, USA.

January – May 2014	Professor at the Department of Electrical Engineering and Computer Science, Michigan State University, East Lansing, USA. He taught the course ECE802-604 “Inverse Problems and Imaging” for the graduate students.
February – April 2012	Visiting Professor at the Department of Electrical Engineering and Computer Science, Michigan State University, East Lansing, USA. He taught the course ECE802-609 “Inverse Problems” for the graduate students.
January – February 2009	Visiting professor at Supélec, Commissariat à l'Énergie Atomique and École Polytechnique (France) within the program DIGITEO.
February – March 2008	Visiting Professor at the Department of Electrical Engineering and Computer Science, Michigan State University, East Lansing, USA. He taught the course ECE802-608 “Inverse Problem and Imaging” for the graduate students.
October 2007	Visiting professor at the Commissariat à l'Énergie Atomique (CEA), Saclay, France.
December 2006	Visiting Professor at Supélec and CEA, Gif-Sur-Yvette, France.
February 2006	Visiting Professor at the Department of Electrical Engineering and Computer Science, Michigan State University, East Lansing, USA.
January 2006	Visiting Professor at the Sogang University, Seoul, South Korea.
Spring 2005	Visiting Professor at the Department of Electrical Engineering and Computer Science, Michigan State University, East Lansing, USA. He taught the course ECE802-611 “Inverse Problem and Imaging” for the graduate students.
Jan. – Feb. 2004	Visiting Professor at the Department of Electrical Engineering and Computer Science, Michigan State University, East Lansing, USA.
Spring 2003	Visiting Professor at the Department of Electrical Engineering and Computer Science, Michigan State University, East Lansing, USA. He taught the course

	ECE802-605 “Inverse Problem and Imaging” for the graduate students.
November 2002	Visiting Professor at the University of Manchester for Science and Technology (UMIST, Manchester)
September 2002	Visiting Professor at the Department of Electrical Engineering and Computer Science, Michigan State University, East Lansing, USA
August 2002	Visiting Professor at the Center for Nondestructive Evaluation, Iowa State University, Ames, USA
May 2002	Visiting Professor at the Department of Electrical Engineering and Computer Science, Michigan State University, East Lansing, USA
July – September 2001	Visiting Assistant Professor at the Department of Electrical Engineering and Computer Science, Iowa State University, Ames, USA
August – September 2000	Visiting Assistant Professor at the Department of Electrical Engineering and Computer Science, Iowa State University, Ames, USA
January – February 2000	Visiting Assistant Professor at the Department of Electrical Engineering and Computer Science, Iowa State University, Ames, USA
June – July 1993	Stage at CERN laboratories (CHORUS experiment) Advisor: Prof. Paolo Strolin Geneve, Swiss

V. OTHER INFORMATION

1995 – present	Scientist of CREATE Consortium. Involved on the development of computational electromagnetics and electromagnetic non-destructive imaging.
1992	Qualified as professional engineer.
June 1992	Winner of a CNR (Italian National Researches Council) Scholarship for the project “ <i>Tecnologie Elettroottiche</i> ” (“ <i>Optoelectronic technologies</i> ”).

June 1988

First place in the national competition “*Periti in Informatica*” for a position as non-graduate computer science engineer at ENEL (Italian National Energy Department).

VI. ACADEMIC AREAS OF SPECIALIZATION

Teaching (Università degli Studi di Cassino e del Lazio Meridionale)

AY 2019/20

Modelli Numerici per i Campi Elettromagnetici (Computational Electromagnetism). Curriculum in Methods, Models and Technologies for Engineering (PhD degree).

Complementi di Elettrotecnica (mainly advanced circuit theory and electromagnetic field theory). Curriculum in Electrical Engineering (Laurea Magistrale degree).

Elettrotecnica (Electrotechnique), mainly basic circuit theory and basic electromagnetic field theory). Curriculum in Computer Science and Telecommunications Engineering (Laurea degree).

AY 2018/19

Complementi di Elettrotecnica (mainly advanced circuit theory and electromagnetic field theory). Curriculum in Electrical Engineering (Laurea Magistrale degree).

Elettrotecnica (Electrotechnique), mainly basic circuit theory and basic electromagnetic field theory). Curriculum in Computer Science and Telecommunications Engineering (Laurea degree).

Problemi Inversi e Imaging Elettromagnetico (Inverse Problems and Electromagnetic Imaging). Curriculum in Methods, Models and Technologies for Engineering (PhD degree).

AY 2017/18

Modelli Numerici per i Campi Elettromagnetici (Computational Electromagnetism). Curriculum in Methods, Models and Technologies for Engineering (PhD degree).

AY 2017/18

Complementi di Elettrotecnica (mainly advanced circuit theory and electromagnetic field theory). Curriculum in Electrical Engineering (Laurea Magistrale degree).

- Elettrotecnica (Electrotechnique, mainly basic circuit theory and basic electromagnetic field theory). Curriculum in Computer Science and Telecommunications Engineering (Laurea degree).*
- AY 2016/17
- Elettrotecnica (Electrotechnique, mainly basic circuit theory and basic electromagnetic field theory). Curriculum in Computer Science and Telecommunications Engineering (Laurea degree).*
- Problemi Inversi e Imaging Elettromagnetico (Inverse Problems and Electromagnetic Imaging). Curriculum in Methods, Models and Technologies for Engineering (PhD degree).*
- AY 2015/16
- Elettrotecnica (Electrotechnique, mainly basic circuit theory and basic electromagnetic field theory). Curriculum in Computer Science and Telecommunications Engineering (Laurea degree).*
- AY 2014/15
- Elettrotecnica (Electrotechnique, mainly basic circuit theory and basic electromagnetic field theory). Curriculum in Computer Science and Telecommunications Engineering (Laurea degree).*
- Problemi Inversi e Imaging Elettromagnetico (Inverse Problems and Electromagnetic Imaging). Curriculum in Electrical and Information Engineering (PhD degree).*
- AY 2013/14
- Elettrotecnica (Electrotechnique, mainly basic circuit theory and basic electromagnetic field theory). Curriculum in Computer Science and Telecommunications Engineering (Laurea degree).*
- AY 2012/13
- Elettrotecnica (Electrotechnique, mainly basic circuit theory and basic electromagnetic field theory). Curriculum in Computer Science and Telecommunications Engineering (Laurea degree).*
- Compatibilità Elettromagnetica (Electromagnetic Compatibility). Curriculum in Electrical Engineering (Laurea Magistrale degree).*
- AY 2011/12
- Elettrotecnica (Electrotechnique, mainly basic circuit theory and basic electromagnetic field theory). Curriculum*

in Computer Science and Telecommunications Engineering (Laurea degree).

Imaging Elettromagnetico (Electromagnetic Imaging). Curriculum in Electrical and Information Engineering (PhD degree).

AY 2010/11

Elettrotecnica (*Electrotechnique*, mainly basic circuit theory and basic electromagnetic field theory). Curriculum in Computer Science and Telecommunications Engineering (Laurea degree).

AY 2009/10

Elettrotecnica (*Electrotechnique*, mainly basic circuit theory and basic electromagnetic field theory). Curriculum in Computer Science and Telecommunications Engineering (Laurea degree).

Compatibilità elettromagnetica (*Electromagnetic Compatibility*). Curriculum in Electrical Engineering (Laurea Magistrale degree).

Laboratorio di compatibilità elettromagnetica (*Electromagnetic Compatibility Laboratory*). Curriculum in Telecommunication Engineering (Laurea degree).

Imaging Elettromagnetico (Electromagnetic Imaging). Curriculum in Electrical and Information Engineering (PhD degree).

AY 2008/09

Principi di Ingegneria Elettrica (*Principle of Electrical Engineering*, mainly basic circuit theory and basic electromagnetic field theory). Curriculum in Electrical Engineering (Laurea degree).

Problemi Inversi e Applicazioni (*Inverse Problems and Applications*). Curriculum in Electrical Engineering (Laurea Magistrale degree).

Tecniche di misura e prove non distruttive I (*Measurements techniques and non destructive testing I*). Master in *Design and Assessment on the Failure Analysis and Damage Tolerance* (FADTAD).

AY 2007/08

Elettrotecnica II (Electrotechnique II, mainly basic electromagnetic field theory). Curriculum in Electrical Engineering (Laurea degree).

Elettrotecnica I (Electrotechnique I, mainly basic circuit theory). Curriculum in Electrical Engineering (Laurea degree).

Laboratorio di compatibilità elettromagnetica (Electromagnetic Compatibility Laboratory). Curriculum in Telecommunication Engineering (Laurea degree).

AY 2006/07

Imaging e Problemi Inversi (Imaging and Inverse Problems). Curriculum in Electrical and Information Engineering and in Mechanical Engineering (PhD degree).

Elettrotecnica II (Electrotechnique II, mainly basic electromagnetic field theory). Curriculum in Electrical Engineering (Laurea degree).

Elettrotecnica I (Electrotechnique I, mainly basic circuit theory). Curriculum in Electrical Engineering (Laurea degree).

AY 2005/06

Elettrotecnica II (Electrotechnique II, mainly basic electromagnetic field theory). Curriculum in Electrical Engineering (Laurea degree).

Elettrotecnica I (Electrotechnique I, mainly basic circuit theory). Curriculum in Electrical Engineering (Laurea degree).

AY 2004/05

Elettrotecnica II (Electrotechnique II, mainly basic electromagnetic field theory). Curriculum in Electrical Engineering (Laurea degree).

Elettrotecnica I (Electrotechnique I, mainly basic circuit theory). Curriculum in Electrical Engineering (Laurea degree).

AY 2003/04

Compatibilità Elettromagnetica Industriale (Electromagnetic Compatibility). Curriculum in Electrical Engineering and Curriculum in Communication Engineering (Old Laurea degree).

Elettrotecnica II (Electrotechnique II, mainly basic electromagnetic field theory). Curriculum in Electrical Engineering (Laurea degree).

Elettrotecnica I (Electrotechnique I, mainly basic circuit theory). Curriculum in Electrical Engineering (Laurea degree).

AY 2002/03

Compatibilità Elettromagnetica Industriale (Electromagnetic Compatibility). Curriculum in Electrical Engineering and Curriculum in Communication Engineering (Old Laurea degree).

Elettrotecnica II (Electrotechnique II, mainly basic electromagnetic field theory). Curriculum in Electrical Engineering (Laurea degree).

Elettrotecnica I (Electrotechnique I, mainly basic circuit theory). Curriculum in Communication Engineering (Laurea degree).

AY 2001/02

Compatibilità Elettromagnetica Industriale (Electromagnetic Compatibility). Curriculum in Communication Engineering (Old Laurea degree).

Elettrotecnica II (Electrotechnique II, mainly basic electromagnetic field theory). Curriculum in Electrical Engineering (Laurea degree).

Elettrotecnica II (Electrotechnique II, mainly basic electromagnetic field theory). Curriculum in Communication Engineering (Laurea degree).

AY 2000/01

Compatibilità Elettromagnetica Industriale (Electromagnetic Compatibility). Curriculum in Communication Engineering (Old Laurea degree).

Elettrotecnica II (Electrotechnique II, mainly basic electromagnetic field theory). Curriculum in Electrical Engineering (Old Diploma degree).

AY 1999/00

Compatibilità Elettromagnetica Industriale (Electromagnetic Compatibility). Curriculum in Communication Engineering (Old Laurea degree).

Elettrotecnica I (Electrotechnique I, mainly basic circuit theory). Curriculum in Electrical Engineering (Old Diploma degree)

AY 1998/99 *Compatibilità Elettromagnetica Industriale (Electromagnetic Compatibility). Curriculum in Electrical Engineering (Old Laurea degree).*

AY 1997/98 *Compatibilità Elettromagnetica Industriale (Electromagnetic Compatibility). Curriculum in Electrical Engineering (Old Laurea degree)*

Guest lectures during tenure as Assistant Professor:

AY 1995/96 *Compatibilità Elettromagnetica Industriale (Electromagnetic Compatibility). Curriculum in Electrical Engineering (Old Laurea degree).*

From AY 1994/95 to AY 2001/02 *Principi di Ingegneria Elettrica (Principles of Electrical Engineering, circuit theory and basic electromagnetic field theory). Curriculum in Electrical Engineering (Old Laurea degree).*

From AY 1994/95 to AY 2001/02 *Elettrotecnica (Electrotechnique, circuit theory and basic electromagnetic field theory). Curriculum in Communication Engineering (Old Laurea degree).*

From AY 1998/99 to AY 1999/2000 *Elettrotecnica (Electrotechnique, circuit theory and basic electromagnetic field theory). Curriculum in Civil Engineering (Old Laurea degree).*

From AY 1994/95 to AY 1999/2000 *Elettrotecnica (Electrotechnique, circuit theory and basic electromagnetic field theory). Curriculum in Mechanical Engineering (Old Laurea degree).*

From AY 1994/95 to AY 1995/96 *Elettrotecnica e Azionamenti Elettrici per l'Automazione (Electrotechnique and electrical actuators for automation) Curriculum in Mechanical Engineering (Old Diploma degree)*

Note:

Laurea degree	three year based curriculum (introduced since fall 2000).
Laurea Magistrale degree	two year based curriculum (introduced since fall 2000) following the three year based Laurea degree.
Old Laurea degree	five year based curriculum (no more available since 2004).

Old Diploma degree

three year based curriculum (no more available since fall 2000).

Teaching (Italian PhD School in Electrotechnics “Ferdinando Gasparini”)

AY 2014/2015

Inverse Problems and Imaging.

AY 2007/2008

Methods for Electromagnetic Nondestructive Imaging.

Teaching (Exchange program within the University of Cassino and the Michigan State University)

AY 2006/2007

Circuit and System I (for the visiting students from the Michigan State University)

Teaching (Michigan State University)

Spring 2018

Inverse Problems and Imaging (ECE802-612)

Spring 2016

Inverse Problems and Imaging (ECE802-608)

Spring 2014

Inverse Problems and Imaging (ECE802-604)

Spring 2012

Inverse Problems (ECE802-609)

Spring 2008

Inverse Problems and Imaging (ECE802-608)

Spring 2005

Inverse Problems and Imaging (ECE802-611)

Spring 2003

Inverse Problems and Imaging (ECE802-605)

Research

1. Inverse Problems (primarily electromagnetic non-destructive evaluation):

- 1.1 Basic Theory on Inverse Problems
- 1.2 Inversion algorithms: iterative and non-iterative fast quantitative methods
- 1.3 Numerical modeling: 3D numerical models of the probe-specimen interaction
- 1.4 Materials: conducting, dielectric, ferromagnetic and composite materials (GFRP and CFRP)
- 1.5 Experimental aspects: Microwaves, Fluxset, Giant Magneto Resistance and Magneto-Optic Inspection, arrays of inductive coils
- 1.6 Combined Eddy Current/Thermography imaging.

2. Computational and applied electromagnetics:

- 2.1 Plasmonics: numerical models (full-wave and 3D) for the interaction of electromagnetic field with array of metallic nanoparticles, including plasmonic resonances
- 2.2 3D Frequency Domain Fast Method: Gram-Schmidt - QR low rank approximations, Fast multipole method, pre-corrected FFT

- 2.3 Full-wave wide-band 3D numerical modeling of electromagnetic field in presence linear materials, either isotropic or not
- 2.4 Interconnects modeling
- 2.5 Non-linear materials: 3D numerical method for computing the electromagnetic field in superconductors, 3D numerical method for computing the electromagnetic field in magnetic materials
- 2.6 Modeling of the macroscopic electromagnetic response of composite materials
- 2.7 Interaction of e.m. fields with random heterogeneous materials.

VII. GRANTS AND CONTRACTS

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|-------------------------|--|
| 1/7/2018-30/6/2021 | National Science Foundation (NSF), “Manufacturing USA: Microwave NDE with Metamaterial Lens for High Resolution Characterization of Multimaterial Interfaces in Composite”, CO-PI, Michigan State University. |
| 16/12/2016 – 31/8/2017 | Bechtel Marine Propulsion Corp. (US DEPT OF ENERGY) “Feasibility Study of Eddy Current Methods for Resistivity Measurements on Zirconium Weld Metal – Phase 3”, CO-PI, Michigan State University. |
| 11/9/2015 – 29/4/2016 | Bechtel Marine Propulsion Corp. (US DEPT OF ENERGY) “Feasibility Study of Eddy Current Methods for Resistivity Measurements on Zirconium Weld Metal”, CO-PI, Michigan State University. |
| 17/9/2015-16/9/2016 | Intercontrôle, NETEC R&D Project T10.13 ET Data inversion: “Development of an eddy current based imaging and inversion method for the inspection of steam generator tubes”, PI, CREATE Consortium. |
| 1/2/2013-31/7/2013 | Intercontrôle, Feasibility Study on ET Data Inversion, PI, University of Cassino and Southern Lazio. |
| 1/9/2011 – 31/12/2014 | European Commission, Seventh Framework Programme (FP7), Large-Scale integrating project (IP):
<i>Simulation Platform for Non Destructive Evaluation of Structures and Materials (SIMPOSIUM)</i>
Principal investigator for the research activities at University of Cassino and Lazio Meridionale. |
| 30/11/2004 – 29/11/2006 | MIUR (Italian Ministry of University and Research) PRIN (Research Program of Important National Interest) research project: |

*Applications of Methods of Diagnostics
Electromagnetic (AMDE)*

Principal investigator for the research activities at University of Cassino.

- 12/12/2001 – 11/12/2003 MURST (Italian Ministry of Scientific and Technological Research) PRIN (Research Program of Important National Interest) research project:
Innovative methodologies for electromagnetic non-destructive evaluation on material with high and low conductivity.
Principal investigator for the research activities at University of Cassino.
- 2001 – 2002 Center for Nondestructive Evaluation (Iowa State University, USA):
Modeling of Eddy current Array Sensor Sensitivities
Project sponsored by Universal Technology Corporation (Dayton, USA). PI at the University of Cassino for a subcontract within the above grant.

VIII. AWARDS/ACHIEVEMENTS

- 2018 Elevated to *Senior Member, IEEE*.
- 2017 The research group of Electrotechnique (Elettrotecnica, ING-IND/31, University of Cassino) led by Prof. A. Tamburrino was ranked 2nd at national level by the (Italian) *National Agency for Evaluation of the University and Research System* (VQR 2011-2014, <http://www.anvur.org/rapporto-2016/>). This ranking refers to units of the same scientific area (Elettrotecnica, ING-IND/31).
- 2015 “Applied Electromagnetics and Mechanics Award”, International Symposium on Applied Electromagnetics and Mechanics (ISEM).
- 2013 “Kenzo Miya Award”, International Symposium on Applied Electromagnetics and Mechanics (ISEM).
- 2013 The research group of Electrotechnique (Elettrotecnica, ING-IND/31, University of Cassino) led by Prof. A. Tamburrino was ranked 1st at national level by the (Italian) *National Agency for Evaluation of the University and*

Research System (VQR 2004-2010, <http://www.anvur.org/rapporto>). This ranking refers to units of the same scientific area (Elettrotecnica, ING-IND/31).

IX. TECHNICAL PUBLICATIONS

Author/co-author of the following technical articles (see Annex A for the complete list):

- 3 books co-edited;
- 2 chapters of book;
- 89 refereed technical articles;
- 54 refereed article in books;
- 111 Proceeding Articles (international conferences);
- 5 Proceeding Articles (national conferences);
- 13 Conference Presentations (w/o abstracts book or conference proceedings, including panel sessions)
- 6 technical reports;
- 1 Ph.D. thesis.

X. PROFESSIONAL ACTIVITIES

AIPND (Italian Society for nondestructive testing)

AEIT (Italian Federation for Electrotechnique, Electronic, Automation, Computer Science and Telecommunications)

IEEE (Institute of Electrical and Electronics Engineers)

IEEE Society on Magnetics

IEEE Society on Photonics

IEEE Society on Engineering in Medicine and Biology

ACES (The Applied Computational Electromagnetics Society)

ICS (International Compumag Society)

SIAM (Society for Industrial and Applied Mathematics)

XI. UNIVERSITY ACTIVITIES

13 December 2019 – present Chair of the Scientific Committee for the Italian Society for Nondestructive Testing.

November 2018 – present Departmental (DIEI) Delegate for the “University Commission on Open Acces to the Scientific Literature”, University of Cassino and Southern Lazio.

November 2018 – present	Departmental (DIEI) Delegate for the “University Commission Job Placement and Technological Transfer”, University of Cassino and Southern Lazio.
2018	Member of the Committee for a position of associate professor at the Department of Electrical Engineering and Information Technologies, University of Naples Federico II (Italy)
2018	Member of the Committee for a position of full professor at the Department of Electrical and Information Engineering, University of Cassino and Southern Lazio, (Italy)
Oct. 2017 – 24 October 2019	Member of the board of directors for the Italian Society for Nondestructive Testing.
2017	Member of the Committee for a position of associate professor at the Department of Electrical and Computer Engineering, Michigan State University (USA)
2017	Member of the Committee for a position of assistant professor at the Department of Electrical and Computer Engineering, Michigan State University (USA)
November 2016 – present	Member of the International Scientific board of the journal “Nondestructive Testing and Diagnostic”.
June 2016 – October 2017	Member of the Scientific Committee for the Italian Society for Nondestructive Testing.
September 2015	Member (Rapporteur) of the Committee for a Ph.D. defense at Doctoral School STITS, Université PARIS SUD (France).
November 2015	Member (Rapporteur) of the Committee for a Ph.D. defense at STIC Doctoral School, Université PARIS SACLAY (France).
October 2014 – present	Subject Editor (for Eddy Current Testing) for the scientific journal Non Destructive Testing and Evaluation International.
2014	Member of the Committee for a position of associate professor at the Department of Electrical and Information Engineering, University of Cassino and Southern Lazio, (Italy)

- 2014 External evaluator for the Special Seven-Member Committee for the evaluation of a position of Professor in “Measurements Systems” at the Electrical Engineering Department of the Technological Education Institution of Western Macedonia (Greece).
- 2013 Member of the Seven-Member Committee for the evaluation of a position of Professor in “Electromagnetic Fields in Energy Systems” at the Department of Mechanical Engineering of the University of West Macedonia (Greece).
- 2011 Co-Chair of the International Symposium on Applied Electromagnetics and Mechanics (ISEM) 2011 held in Naples
- 2009 – present Member of the International Steering Committee (ISC) of the International Symposium on Applied Electromagnetics and Mechanics (ISEM)
- 2009 – 24 March 2020 Chair of the Graduate Program for the Ph.D. Studies in Electrical and Information Engineering at the University of Cassino
- 2009 – February 2012 Chair of the Committee for the Internal Evaluation of the Researches of the Dipartimento di Automazione, Elettromagnetismo, Ingegneria dell’Informazione e Matematica Industriale, Università di Cassino.
- 2005 – 2009 Member of the Committee for the Internal Evaluation of the Researches of the Dipartimento di Automazione, Elettromagnetismo, Ingegneria dell’Informazione e Matematica Industriale, Università di Cassino.
- 2008 Member of the Scientific Board of the “XXIV Riunione Annuale dei Ricercatori di Elettrotecnica”, Pavia, giugno 2008.
- 2006 – present Member of the International Steering Committee (ISC) of the International Workshop on Electromagnetic Non Destructive Evaluation (ENDE).
- 2005 - present Reference person for exchange programs for professors, researchers and students with the Michigan State University (USA), reference person for exchange programs (ERASMUS) for students with the University of Western

	Macedonia (Greece), the Tampere University of Technology (Finland) and the Budapest University of Technology and Economics (Hungary).
2004 – present	Reviewer for the MAP (Italian Ministry of Productive Activity) now MSE (Italian Ministry of Economical Development).
2004 - present	Member of the Committee for the Ph.D. defense at several Italian universities.
August 2002 – present	Reviewer for MIUR (Italian Ministry of Education, University and Research) for the evaluation of national research projects.
2002 – 2008	Member the Board of the Graduate Program for the Ph.D. Studies in Electrical and Information Engineering at the University of Cassino.
2001	Member of the organizing committee of “The Finite Element Methods in Electrical and Information Technology Engineering”, April 19-20, Cassino, Italy.
1999 – present	Head of the <i>Computational Electromagnetic and Electromagnetic Nondestructive Evaluation Laboratory</i> . DAEIMI, University of Cassino, Italy.
1999 – 2009	Scientific Director of the Library of the DAEIMI, University of Cassino, Italy.
1999	Member of the board of examiners for national competition for position of Assistant Professors in Electrical Engineering, Università di Napoli Federico II, Napoli, Italy.

XII. ADDITIONAL INFORMATION

He was/he is advisor/co-advisor for a total of 8 PhD students at both the University of Cassino and Southern Lazio, and the Michigan State University.

He was member of committees for the final (Ph.D.) defense in Italy, USA and abroad.

Co-Editor the proceedings book *Electromagnetic Nondestructive Evaluation (XXII)*, vol. 44, AMSTERDAM: IOS Press, 2019.

Chair of Scientific Program Committee of the *23rd International Workshop on Electromagnetic Nondestructive Evaluation*, (ENDE2018), Detroit, USA.

Co-Editor of the abstract book for the *23rd International Workshop on Electromagnetic Nondestructive Evaluation*, (ENDE2018), Detroit, USA.

Track-Editor for the *19th International Conference on the Computation of Electromagnetic Fields (COMPUMAG 2013)* held June 30 – July 4, 2013 in Budapest, Hungary.

Co-Editor of the proceedings book regarding *The 15th International Symposium on Applied Electromagnetics and Mechanics (ISEM 2011)*, IOS Press, 2012

Co-Editor of the abstract book *Applied Electromagnetics and Mechanics, JSAEM Studies in Applied Electromagnetics and Mechanics, vol. 14, Japan Society of Applied Electromagnetics and Mechanics, 2011*

Co-Editor of the proceedings book *Electromagnetic Nondestructive Evaluation (XI)*, vol. 31, AMSTERDAM: IOS Press, 2008.

Reviewer for:

COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering

IEEE Transaction on Antennas and Propagation

IEEE Transaction on Magnetics

IEEE Transaction on Mechatronics

International Journal for Numerical Methods in Engineering

International Journal of Applied Electromagnetics and Mechanics

Inverse Problems

Iranian Journal of Science & Technology

Journal of Communications and Networks

Journal of Nondestructive Evaluation

Journal of Physics A: Mathematical and General

Journal of Physics D: Applied Physics

Journal of Research in Nondestructive Evaluation

Material Evaluation

Mathematical Problems in Engineering

Measurement Science and Technology

NDT & E International

Physiological measurement (Institute of Physics)

Annex A: List of publications

Edited Books

- [EB1] Electromagnetic Nondestructive Evaluation (XI), Book series *Studies in Applied Electromagnetics and Mechanics*, vol 31, edited by A. Tamburrino, Yevgen Melikhov, Zhenmao Chen, Lalita Udpa, IOS Press, October 2008.
- [EB2] Applied Electromagnetics And Mechanics, JSAEM Studies in Applied Electromagnetics and Mechanics, vol. 14, edited by G. Rubinacci, A. Tamburrino, F. Villone and T. Takagi, Japan Society of Applied Electromagnetics and Mechanics (printed in Italy), ISBN: 978-4-931455-19-1, ISSN: 1343-2869, 2011.
- [EB3] F. Villone, T. Takagi, G. Rubinacci, A. Tamburrino (Edited by) (2012). The 15th International Symposium on Applied Electromagnetics and Mechanics (ISEM 2011). International Journal Of Applied Electromagnetics And Mechanics, vol. 39, Amsterdam, Netherlands:Amsterdam, Netherlands: IOS PRESS, Nieuwe Hemweg, ISSN: 1383-5416, doi: 10.3233/JAE-2012-1435.

Chapters of book

- [BC1] L. Udpa, S. Udpa, A. Tamburrino, "System and Model Based Approaches to Data Fusion for NDE Applications" in *Multi-Sensor Image Fusion and its Applications*, R. S. Blum and Z Liu eds., Marcel Dekker, 2005.
- [BC2] Tamburrino A., Rubinacci G. (2019) Eddy Current Tomography. In: Ida N., Meyendorf N. (eds) Handbook of Advanced Non-Destructive Evaluation. Springer, Cham, first online 11 December, 2018, DOI: 10.1007/978-3-319-30050-4_33-1

Refereed Journals Publications

- [R1] R. Pierri, G. Rubinacci, A. Tamburrino, "A quadratic approach for the reconstruction of conductivity profiles using eddy current", *IEEE Trans. on Magnetics*, vol. MAG-32, no. 3, pp.1310-1313, May 1996.
- [R2] R. Pierri, A. Tamburrino, "On the local minima problem in conductivity imaging via a quadratic approach", *Inverse Problems*, vol. 13, no. 6, pp. 1547-1568, 1997.
- [R3] G. Rubinacci, A. Tamburrino, "Numerical techniques for the inversion of Eddy Current Testing data", *App. Comp. Electromagnetics Soc. J.*, Special Issue on Numerical Field Calculation in Electrical Engineering, vol. 12, no. 2, pp. 38-43, July 1997.
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