EUROPEAN CURRICULUM VITAE FORMAT



PERSONAL INFORMATION

Name

GALDI, VINCENZO

Address

VIA SALVATORE CALENDA, 73, 84126, SALERNO, ITALY

Telephone

+39 3288926127; +39 (0) 89 964284

Fax

+39 (0)89 962334

E-mail

vgaldi@unisa.it

Nationality

Italian

Date of birth

03, 03, 1967

LEVEL OF QUALIFICATION

Full Professor, Ph.D.

WORK EXPERIENCE

Dates (from – to)

• Name and address of employer

- Type of business or sector
- · Occupation or position held
- Main activities and responsibilities

2022, June until now

University of Salerno, 132, Giovanni Paolo II, 84084 Fisciano (SA), Italy

Research & Education

Director of the II Level Master on Grid Digitalization for Energy Transiction

One year master al II level to train new experts in electrical systems and ICT to govern the digitalization of the electrical system in the energy transition. The master is structured in at least three editions and is funded by TERNA.

Dates (from – to)

• Name and address of employer

- Type of business or sector
- Occupation or position held
- Main activities and responsibilities

2022, February until now

University of Salerno, 132, Giovanni Paolo II, 84084 Fisciano (SA), Italy

Research & Education

Rector's delegate for construction and capital goods

Rector's delegate for capital goods of the University of Salerno. He oversees the activities of the technical office in the areas of new construction and maintenance of all assets of the University of Salerno - with the exception of those in the ICT sector. He takes care of both the managerial-organizational aspects as well as the technical, economic and financial ones, including the sources of financing.

• Dates (from - to)

· Name and address of employer

- Type of business or sector
- Occupation or position held
- Main activities and responsibilities

2019, February until now

University of Salerno, 132, Giovanni Paolo II, 84084 Fisciano (SA), Italy

Research & Education

Full Professor

Research activities with responsibility in technical and scientific coordination of research projects for research group coordinator in the field of Power Systems, Distributed and Dispersed Generation from renewable sources, smart grids, distribution systems and in ancillary services in active distribution network.

Research activity in energy management in railway systems, in optimal power control on Hybrid and electric vehicles and in Intelligent Transport Systems (ITS)

Technical and scientific coordination of research projects in the field of power system, smart telematics, logistic, new technologies for transports, infomobility. Coordination of research program on new signalling systems ERTMS, railway systems, new telematics architectures,



telematics for power systems, dispersed generation and electric distribution networks.

Coordination of working group for the study the feasibility of a Logistic platform in Salerno.

Teaching activity for graduate and post-graduate students in power systems and in new technologies, including AI, for the automation and control of Power Systems and production systems.

Professor in "Smart Energy Management & Technologies for Sustainability", in "Convertitori Elettronici per l'Energia e i trasporti", in "Azionamenti e Impianti Elettrici".

• Dates (from - to)

2018, until now

• Name and address of employer

National Section of the World Road Association, Italy

• Type of business or sector

Research & technology transfer

Occupation or position held

Member of Technical board of Working Group "Smart Roads"

· Main activities and responsibilities

He supports the board in defining innovation actions in the field of energy strategies and solutions to power smart roads and for the development of advanced telematic services.

• Dates (from - to)

2014, August until 2019, October

Name and address of employer

University of Salerno, 132, Giovanni Paolo II, 84084 Fisciano (SA), Italy

Type of business or sector

Research & Education

Occupation or position held

Rector's delegate for transportation from and to the University

Main activities and responsibilities

Rector's delegate for mobility to and from university campuses. Coordinates the actions useful to satisfy the demand for mobility to and from the University. He chairs the technical coordination table with the representatives of 20 municipalities, the Province of Salerno and the Regione Campania.

• Dates (from - to)

2014, March until now

· Name and address of employer

Consorzio TRAIN, SS 106 km.419+500, c/o ENEA Trisaia Research Centre, 75026 Rotondella (MT), Italy

• Type of business or sector

Research & technology transfer

Occupation or position held

President

· Main activities and responsibilities

Head of the Board of Directors.

He coordinates and promotes research activities in the field of energy efficiency, smart grids and innovative transport, with particular attention to solutions based on the use of the electric carrier. He is active in technology transfer to companies, in the formation of partnerships with both public and private subjects.

technologies for the automation and control of Power Systems and production systems.

• Dates (from - to)

2003 until 2019, January

Name and address of employer

University of Salerno, 132, Giovanni Paolo II, 84084 Fisciano (SA), Italy

• Type of business or sector

Research & Education

Occupation or position held
 Main activities and responsibilities

Associate Professor Research activity in Power System, technical and scientific coordination of research projects in the field of Distributed and Dispersed Generation from renewable sources and in

electromagnetic compatibility in power system and in railway systems, in optimal power control on Hybrid and electric vehicles.

Research activities in the application of AI paradigms for energy and power management in electric power drive for automotive and railway applications and in power system.

Research activity in Intelligent Transport Systems (ITS), technical and scientific coordination of research projects in the field of telematics, logistic, new technologies for transports, info-mobility. Coordination of research program on new signalling systems ERTMS, railway systems, new telematics architectures, telematics for power systems, dispersed generation and electric distribution networks.

Coordination of working group for the study the feasibility of a Logistic platform in Salerno. Teaching activity for graduate and post-graduate students in power systems and in new technologies for the automation and control of Power Systems and production systems.

• Dates (from - to)

2019, June until now

· Name and address of employer

C.U.G.Ri. - Centro InterUniversitario Grandi Rischi - University of Salerno, 132, Giovanni Paolo II, 84084 Fisciano (SA), Italy

Page 2 - Curriculum vitae of [GALDI, Vincenzo]

• Type of business or sector

Occupation or position held

· Main activities and responsibilities

or sector Research & technology transfer

Member of Scientific Board

He coordinates and promotes research activities in the field of electrical, electronic and IT technologies for safety and for mitigating environmental impact.

He coordinates research activities with RFI - Rete Ferroviaria Italiana - in the field of monitoring high-speed rail safety systems.

• Dates (from - to)

2003 until 2019, January

· Name and address of employer

University of Salerno, 132, Giovanni Paolo II, 84084 Fisciano (SA), Italy

Type of business or sector

Research & Education

· Occupation or position held

Associate Professor

· Main activities and responsibilities

Research activity in Power System, technical and scientific coordination of research projects in the field of Distributed and Dispersed Generation from renewable sources and in electromagnetic compatibility in power system and in railway systems, in optimal power control on Hybrid and electric vehicles.

Research activity in Intelligent Transport Systems (ITS), technical and scientific coordination of research projects in the field of telematics, logistic, new technologies for transports, infomobility. Coordination of research program on new signalling systems ERTMS, railway systems, new telematics architectures, telematics for power systems, dispersed generation and electric distribution networks.

Coordination of working group for the study the feasibility of a Logistic platform in Salerno. Teaching activity for graduate and post-graduate students in power systems and in new technologies for the automation and control of Power Systems and production systems.

• Dates (from - to)

2015, August until 2019, October

• Name and address of employer

University of Salerno, 132, Giovanni Paolo II, 84084 Fisciano (SA), Italy

• Type of business or sector

Responsible for mobility strategies

Occupation or position held

Dean's delegate for university mobility

Main activities and responsibilities

Analyzes the needs, identifies the corrective actions in the mobility sector to and from the University Campuses of Fisciano, Baronissi and Salerno.

It coordinates the technical table on mobility and holds institutional relations with the municipalities of the area and with the political decision-makers of the Region and of the Province.

• Dates (from - to)

1999 - 2002

· Name and address of employer

University of Salerno, 1, Ponte don Mellillo, 84084 Fisciano (SA), Italy

• Type of business or sector

Research & Education

Occupation or position held
 Main activities and responsibilities

Assistant Professor

Research activity in ITS and power systems. Research activity focused on infomobility, telematics, logistic, new technologies for transports, electromagnetic compatibility, railway systems, distribution networks, telematics for power systems, dispersed generation and electric distribution networks.

Dates (from – to)

1994 - 1999

· Name and address of employer

University of Naples, 1, via Claudio, 84084 Fisciano (SA), Italy

Type of business or sector

Research & Education

Occupation or position held

Researcher

Main activities and responsibilities

Research activity in power systems. Research activity focused on electrified transports, electromagnetic compatibility, railway systems, telematics for power systems, dispersed generation and electric distribution networks.

Dates (from – to)

1994 - 1996

• Name and address of employer

University of Salerno, 1, Ponte don Mellillo, 84084 Fisciano (SA), Italy

• Type of business or sector

Research & Education

• Occupation or position held

Researcher

• Main activities and responsibilities

Research activity in power systems. Research activity focused on electrified transports, electromagnetic compatibility, railway systems, telematics for power systems, dispersed generation and electric distribution networks.

Page 3 - Curriculum vitae of [GAEDI, vincen2o]

EDUCATION AND TRAINING

• Dates (from - to)

· Name and type of organisation providing education and training

· Principal subjects/occupational skills covered

· Title of qualification awarded

· Level in national classification (if appropriate)

• Dates (from - to)

· Name and type of organisation providing education and training

· Principal subjects/occupational skills covered

· Title of qualification awarded

· Level in national classification (if appropriate)

• Dates (from - to)

· Name and type of organisation providing education and training

 Principal subjects/occupational skills covered

· Title of qualification awarded

· Level in national classification (if appropriate)

• Dates (from - to)

· Name and type of organisation providing education and training

 Principal subjects/occupational skills covered

· Title of qualification awarded

· Level in national classification (if appropriate) 2000/08 - 2000/10

University of Illinois at Urbana Champaign (IL, USA)

Power Systems

Visiting researcher

Post Doc

1996-1999

University of Naples "Federico II"

Power Systems, Electromagnetic compatibility, Railway systems

Ph.D.

Ph.D.

1998/03 - 1998/07

University of Nottingham

Electromagnetic compatibility, Power Systems, Railway systems

Visiting Student

Ph.D. Student

1985-1994

University of Salerno

Electronic, Computer Science, Power Electronics, Power System

Five-year degree with honours in Electronic Engineering

Five-year degree

PERSONAL SKILLS AND COMPETENCES

Acquired in the course of life and career but not necessarily covered by formal certificates and diplomas Technical and scientific coordination of applied research projects with realization of prototypes and pilot systems. Research and technology transfer.

Ability to work in a team. Ability to coordinate work groups.

MOTHER TONGUE

ITALIAN

OTHER LANGUAGES

· Reading skills

Writing skills

Verbal skills

ENGLISH

GOOD

GOOD **BASIC**

Page 4 - Curriculum yitae or [GALDI,

· Reading skills

- Writing skills
- Verbal skills

Basic

FRENCH

None

None

SOCIAL SKILLS AND COMPETENCES

Living and working with other people, in multicultural environments, in positions where communication is important and situations where teamwork is essential (for example culture and sports), etc.

AND COMPETENCES

ORGANISATIONAL SKILLS

Coordination and administration of people, projects and budgets; at work, in voluntary work (for example culture and sports) and at home, etc. In 1999 postdoctoral appointment at the Department of Electrical and Electronic Engineering, University of Nottingham (UK)

In 2000, WISITING PROFESSOR AT THE DEPARTMENT OF ELECTRICAL & COMPUTER ENGINEERING – UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN (USA)

COORDINATOR OF ERASMUS PROJECT WITH UNIVERSITY OF CORDOBA (SPAIN)

COORDINATOR OF ERASMUS PROJECT WITH UNIVERSITY OF CADIZ (SPAIN)

REFEREE OF FINAL PROJECTS WITH ERASMUS STUDENTS VISITING THE UNIVERSITY OF SALERNO SENIOR MEMBER OF IEEE

MEMBER OF DIRECTIVE COUNCIL OF SAILING ASSOCIATION

DELEGATE FOR THE UNIVERSITY OF SALERNO FOR THE FRAMEWORK AGREEMENT WITH THE COMPANIES OF THE ENEL GROUP.

DELEGATE FOR THE UNIVERSITY OF SALERNO FOR THE FRAMEWORK AGREEMENT WITH THE COMPANIES CONTINENTAL ENGINEERING SERVICES (CES) AND DA VINCI ENGINEERING GMBH FOR PARTNERSHIP PROGRAM TO ESTABLISH A STRUCTURAL COOPERATION IN RESEARCH AND INNOVATION ACTIVITIES IN AUTOMOTIVE SECTOR.

MEMBER OF THE TECHNICAL BOARD OF COMUNE DI NAPOLI TO SUPPORT THE CITY OF NAPLES IN COORDINATION AND PLANNING OF THE ENERGY POLICIES.

COORDINATOR OF THE SCIENTIFIC TECHNICAL COMMITTEE FOR THE CONSTRUCTION OF THE PRIMARY SUBSTATION "SALERNO PORTO" AND THE TERNA HV POWER LINE.

MEMBER OF CTS BOARD OF AUTORITÀ DEL SISTEMA PORTUALE DEL MAR TIRRENO CENTRALE (CENTRAL TYRRHENIAN SEA PORT AUTHORITY) ON ISSUES OF SUSTAINABILITY AND ENERGY

Scientific director and coordinator of 2 research projects funded by European institutions on a competitive basis in the sustainable mobility sector.

SCIENTIFIC DIRECTOR AND COORDINATOR OF MANY RESEARCH PROJECTS FUNDED BY NATIONAL (MISE, MIUR) AND REGIONAL INSTITUTIONS ON A COMPETITIVE BASIS IN THE FIELDS OF POWER SYSTEMS, DEMAND SIDE MANAGEMENT AND EFFICIENT USE OF ELECTRIC ENERGY, ELECTRIFIED TRANSPORT AND SUSTAINABLE MOBILITY SECTOR.

SCIENTIFIC DIRECTOR AND COORDINATOR OF MANY RESEARCH PROJECTS FUNDED BY NATIONAL (MISE, MIUR) AND REGIONAL INSTITUTIONS ON A COMPETITIVE BASIS IN THE SECTOR OF ELECTRICAL SYSTEMS, SMART GRIDS, ICT TECHNOLOGIES FOR ENERGY.

SCIENTIFIC MANAGER OF RESEARCH AND TECHNOLOGY TRANSFER PROJECTS IN THE ELECTRIC MOBILITY SECTOR AND IN THE RAILWAY SECTOR.

REFEREE OF NATIONAL PROJECTS ON BEHALF OF THE MINISTRY OF TRANSPORT AND THE MINISTRY OF UNIVERSITY AND RESEARCH.

REFEREE OF PROFESSORS ON BEHALF OF THE PUGLIA REGION

REFEREE OF PROJECTS ON BEHALF OF FOREIGN INSTITUTIONS

MEMBER OF WORKING GROUP ON PUBLIC TRANSPORT OF TTS ITALIA, THE ITALIAN ASSOCIATION FOR TELEMATICS FOR TRANSPORT AND SAFETY

INVITED MEMBER OF ERRAC EUROPEAN RAIL RESEARCH ADVISORY COUNCIL

Member of working group on Infomobility of TTS Italia, the Italian Association for Telematics for Transport and Safety

MEMBER OF CTS (TECHNICAL AND SCIENTIFIC COMMITTEE) OF TTS ITALIA, THE ITALIAN ASSOCIATION FOR TELEMATICS FOR TRANSPORT AND SAFETY

MEMBER OF CTS (TECHNICAL AND SCIENTIFIC COMMITTEE) OF CONSORZIO TRAIN (CONSORZIO TRASPORTO INNOVATIVO) – PUBLIC-PRIVATE NATIONAL CONSORTIUM FOR RESEARCH IN TRANSPORTS MEMBER OF CTS (TECHNICAL AND SCIENTIFIC COMMITTEE) OF CENTRO REGIONALE DI COMPETENZA TRASPORTI OF REGIONE CAMPANIA

MEMBER OF TECHNICAL STAFF OF ITALIAN MINISTRY OF INFRASTRUCTURE AND TRANSPORTATION FOR NATIONAL OPERATIVE PROGRAMME ON ITS

Member of teaching staff of Ph.D. in Electronic Engineering and Computer Science of University of Salerno up to 2013

COORDINATOR OF RESEARCH PROJECT ON NEW TELEMATICS TECHNOLOGIES APPLIED TO THE POWER

SYSTEM MONITORNG AND CONTROL

COORDINATOR OF INFOMOBILITY ACTIVITIES OF THE CENTRO REGIONALE DI COMPETENZA TRASPORTI OF REGIONE CAMPANIA

COORDINATOR FOR THE UNIVERSITY OF SALERNO OF THE TECHNICAL BOARD WITH ENEL ON THE TOPICS OF RESEARCH AND TRAINING IN THE ELECTRICITY SECTOR

MEMBER OF THE TEAMS WORKING ON INDUSTRIAL RESEARCH PROJECTS FOR VARIOUS COMPANIES INCLUDING THE FERROVIE DELLO STATO SPA, RFI SPA, ALENIA SPA, TELECOM ITALIA SPA, ENEL SPA, ANSALDO ENERGIA AND ANSALDO TRASPORTI

COORDINATOR OF MASTER INVIA INTEGRAZIONE VIRTUALE DELL'AUTOTRASPORTO FOR *RESPONSABILI E TECNICI DI RICERCA & SVILUPPO ICT* (INFORMATION AND COMMUNICATION TECHNOLOGIES) E ITS (INTELLIGENT TRANSPORT SYSTEMS) PER LA LOGISTICA E I TRASPORTI ITS AND LOGISTICS

COORDINATOR OF RESEARCH ACTIVITIES IN THE FIELD OF ELECTRIC MOBILITY WITH ENEA CASACCIA

TECHNICAL COORDINATOR OF AUDIT ACTION OF EUROPEAN PROJECT MOS4MOS

TECHNICAL EXPERT FOR THE AUDIT OF RESEARCH PROJECTS OF CROATIA SCIENCE FOUNDATION (SUPPORT BODY TO THE CROATIAN MINISTRY OF RESEARCH) IN THE FIELD OF ELECTRIC MACHINES AND POWER DRIVE.

SCIENTIFIC COORDINATOR OF RESEARCH PROJECTS ON ERTMS (EUROPEAN SIGNALLING SYSTEM) IN COOPERATION WITH RFI SPA (ITALIAN COMPANY OF RAILWAY INFRASTRUCTURE) (BUDGET > 500 K) COORDINATOR OF ITS Infomobility project of the Centro Regionale di Competenza Trasporti of Regione Campania (budget 4 M€)

TECHNICAL COORDINATOR OF ITS PROJECT FOR SAFETY IN TUNNEL (SITI PROJECT) (BUDGET 1,7 M€). TECHNICAL COORDINATOR OF RESEARCH PROJECT ON AN INNOVATIVE INFOMOBILITY SYSTEM FOR THE PUBLIC TRANSPORT ON THE ISCHIA ISLAND (BUDGET 2,5 M€)

Scientific coordinator of Research project "New telematics services for intermodal logistic areas" ($80 \, \text{k}$)

COORDINATOR FOR UNIVERSITY OF SALERNO OF RESEARCH PROJECT ULISSE – ACCORDO DI PROGRAMMA PER LA MOBILITÀ SOSTENIBILE (BUDGET UNISA 0,98 M€)

COORDINATOR FOR UNIVERSITY OF SALERNO OF PON PROJECT SFERE – SISTEMI FERROVIARI ECOSOSTENIBILITÀ E RISPARMIO ENERGETICO (BUDGET 1,05 M€)

COORDINATOR FOR UNIVERSITY OF SALERNO OF RESEARCH PROJECT REINFORCE – ACCORDO DI PROGRAMMA PER LA MOBILITÀ SOSTENIBILE (BUDGET UNISA 0,95 M€)

COORDINATOR OF ITALIAN TEST SITE OF EUROPEAN PROJECT COSMO – COOPERATIVE SYSTEMS FOR SUSTAINABLE MOBILITY AND ENERGY EFFICIENCY (BUDGET 3,5 κ)

TECHNICAL EXPERT FOR THE AUDIT OF ITS PROJECTS - PON TRASPORTI 2000-2006 - BY THE ITALIAN MINISTRY OF INFRASTRUCTURE AND TRANSPORT (VALUE PROJECTS VALIDATED 20 M €)

TECHNICAL SCIENTIFIC EXPERT AND EX-ANTE & ONGOING EVALUATOR OF RESEARCH PROJECTS FINANCED BY ITALIAN MINISTRIES, REGIONAL AUTHORITIES AND FOREIGN COUNTRIES.

TECHNICAL-SCIENTIFIC EXPERT INCLUDED IN THE REPRISE REGISTER OF THE ITALIAN MINISTRY OF UNIVERSITY AND RESEARCH.

TECHNICAL SKILLS AND COMPETENCES

With computers, specific kinds of equipment, machinery, etc.

GOOD KNOWLEDGE OF WINDOWS, OS X AND LINUX OS AND MAIN OFFICE APPLICATIONS.

EXCELLENT KNOWLEDGE ON MAIN SCIENTIFIC SIMULATION TOOLS (MATLAB, MATHEMATICA, LABVIEW, POWERWORLD, ECC.)

EXCELLENT KNOWLEDGE ON AI PARADIGMS SUCH AS FUZZY LOGIC, ANN AND GA APPLIED IN THE FIELD OF ENERGY AND POWER MANAGEMENT

GOOD KNOWLEDGE OF PROGRAMMING LANGUAGES C, C++ AND PASCAL

EXCELLENT KNOWLEDGE OF PLC LANGUAGE LIKE LADDER, INSTRUCTION LIST AND STRUCTURED TEXT GOOD KNOWLEDGE OF MICROCONTROLLERS AND DSP (DIGITAL SIGNAL PROCESSOR)

GOOD KNOWDLEDGE IN THE FIELD OF ELECTRIC TRANSPORTATION SYSTEMS, ON IMPACT OF ELECTRIC VEHICLE ON DISTRIBUTION GRID, ENERGY EFFICIENCY IN ELECTRIFIED TRANSPORTATION SYSTEMS EXCELLENT KNOWLEDGE OF PROGRAMMABLE LOGIC CONTROLLERS AND OF POWER CONVERTER FOR RAILWAY APPLICATIONS. ELECTRIC RAILWAY SYSTEMS, SOFTWARE QUALITY FOR CONTROL SYSTEMS.

OTHER SKILLS

AND COMPETENCES

Competences not mentioned above.

SENIOR MEMBER OF IEEE

MEMBER OF AEIT (ASSOCIATION OF ELECTRICAL AND ELECTRONIC ENGINEERS)

MEMBER OF PHD SCHOOL ON INDUSTRIAL ENGINEERING OF THE DEPARTMENT OF INDUSTRIAL ENGINEERING

SCIENTIFIC COORDINATOR OF SUMMER SCHOOL ON SMART GRIDS.

COMPETENCE AND ACTIVITIES CENTERED ON POWER SYSTEM CONTROL AND AUTOMATION IN

Page 6 - Curriculum Vitae of [GAEDI, Vitacenzo]

COMPETITIVE ELECTRICITY MARKETS, MODELLING AND ANALYSIS OF ELECTRIC RAILWAY SYSTEMS, SOFTWARE QUALITY FOR CONTROL SYSTEMS.

COMPETENCE AND ACTIVITIES CENTERED ON INTELLIGENT SYSTEM APPLICATIONS TO POWER SYSTEM PROBLEMS, ELECTROMAGNETIC COMPATIBILITY ISSUES IN POWER SYSTEMS.

ADDITIONAL INFORMATION

HAS BEEN PROFESSOR IN AUTOMATION OF POWER SYSTEMS, IN POWER ELECTRONICS AND ELECTRONIC FOR INDUSTRIAL APPLICATIONS AT THE FACULTY OF ENGINEERING AT THE UNIVERSITY OF SALERNO, IN POWER SYSTEM CONTROL AT THE UNIVERSITY OF NAPLES "FEDERICO II" SHORT COURSES ON FUZZY LOGIC AND IN TELEMATICS AT Ph.D. SCHOOL OF THE UNIVERSITY OF

CASSINO AND AT Ph.D. SCHOOL OF THE UNIVERSITY OF SALERNO

CHAIRMAN AT INTERNATIONAL CONFERENCE ON NEW TECHNOLOGIES FOR THE TRANSPORT AND LOGISTIC

REFEREE OF INTERNATIONAL JOURNAL AND CONFERENCE ON POWER SYSTEM, TRANSPORTATION AND TELEMATICS

AUTHOR/COAUTHOR OF MORE THEN 150 NATIONAL AND INTERNATIONAL SCIENTIFIC PAPERS

SALERNO, 2024/01/29

Page 7 - Curriculum vitae of [GALDI, Vincenzo]