



Europass

Curriculum vitae

Personal information

First name(s) / Surname(s) RADU, Adrian-Toni
Address(es) 36 Prelungirea Ghencea, bl. D4, sc.4, ap. 31, sector 6, Bucharest
Romania
Telephone(s) | Mobile: | +40773827263
E-mail(uri) toni.radu18@gmail.com
Nationality(-ies) Romanian
Date of birth 18.09.1989
Gender Male

Desired employment / Occupational field Power Systems Engineering / Engineer

Work experience

Dates 18.02.2019 - present

Occupation or position held E-Mobility Solutions/ Engineer

Main activities and responsibilities

- Participate and collaborate with the team members in the process of identifying, analyzing, recommends and supports implementation for new business opportunities in the area of electric mobility;
- Support in performing the reporting and processing of key deliverables related to activities of electric mobility projects in order to support internal approval process as well as permitting and engagement of stakeholders;
- Support the implementation of electric mobility solutions (products and services) delivered to both to residential and business clients;
- Collaborates with other departments and/or companies within the ENEL group, as well as third parties, to assess commercial and technical feasibility of electric mobility related projects;
- Support in preparation of relevant documentation (analysis, offers, contracts) related to project implementation;
- Support in overseeing the solutions implementation;
- Participate in offering the technical support to clients on implemented solutions;
- Perform progress analysis and assessments, activity and technical analysis as needed;
- Complies with applicable health, safety, environment and quality regulations.

Name and address of employer Enel Energie Muntenia / Enel X
Blv. Mircea Voda no.30, Day Tower building, floor 5, room 5.3, Bucharest.

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| Dates | 06.10.2015 – 18.02.2019 |
| Occupation or position held | Dispatcher distribution network |
| Main activities and responsibilities | Monitoring and operative management of medium voltage networks |
| Name and address of employer | E-Distributie Muntenia Blv. Ion Mihalache 41-43, Bucharest, Romania Phone:021 231 8609 |
| Dates | 01.04.2018 – 30.06.2018 |
| Occupation or position held | Enel X – E-Mobility Solutions Development (internship) |
| Main activities and responsibilities | <ul style="list-style-type: none"> - The study of the main standards in the field of e-mobility; - Experimental tests to monitor and control the EV charging based on different constraints; - Integration and evaluation of the impact of the EV charging in the power network grid; - Impacts of EV smart charging strategies in Demand Response applications; - Aggregating and using EV for provide ancillary services (frequency regulation, voltage regulation, participate of EV into energy market); - Smart charging of EV for the local dispatching of distributed generation and enhanced RES/ DER integration. - General information about EVSE (Electric Vehicle Supplier Equipment) back-end communication protocol; - Utilize the EMM (Electro Mobility Management) platform; |
| Name and address of employer | Enel X s.r.l. , Via di Tor di Quinto 47, Rome, Italy |
| Dates | 01.09.2014 – 05.10.2015 |
| Occupation or position held | Monitoring Engineer / Energetically Dispatcher |
| Main activities and responsibilities | Monitoring of photovoltaic power plants; Coordinating teams of electricians in the event of failure and maintenance works; Preparation of reports on energy quantities produced by power plants and energy consumption of to the main offices building in the country. |
| Name and address of employer | S.C. RCS&RDS S.A. Street Dr. Staicovici no. 71-75, Building FORUM2000, Sector 5, Bucharest |
| Dates | 01.03.2014 – 31.07.2014 |
| Occupation or position held | internship |
| Main activities and responsibilities | <i>Optimal Charge Control of Electric Vehicles in Parking Stations for Cost Minimization in V2G concept</i> – master thesis. |

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| Name and address of employer | Grenoble Electrical Engineering Laboratory (G2Elab), 11 rue des mathématiques, Saint Martin d'Herès, 38402, France |
| Dates | 27.09.2013- 28.02.2014 |
| Occupation or position held | Power Systems Design |
| Main activities and responsibilities | Design of grid connection |
| Name and address of employer | SC. POWERTEC PROIECT SRL Banu Manta no.2, Bucharest, Romania |
| Dates | 28.11.2012 – 19.09.2013 |
| Occupation or position held | Power Systems Design |
| Main activities and responsibilities | Photovoltaic System Design |
| Name and address of employer | SC. GBD GEA BUSINESS DEVELOPMENT SRL, avenue Kiseleff, nr.29 , Bucharest, Romania |
| Dates | 02june 2011-02 September 2011 |
| Occupation or position held | internship |
| Main activities and responsibilities | |
| Name and address of employer | National Power Dispatcher, avenue Hristo Botev, Bucuresti |
| Education and training | |
| Dates | 01.10.2015 - present |
| Title of qualification awarded | PhD thesis - Power Systems Engineering |
| Principal subjects/occupational skills covered | <i>Integration of electric vehicles in the Smart City concept.</i> |
| Name and type of organization providing education and training | Polytechnic University of Bucharest, Splaiul Independentei, nr.313, Sector 6, RO 060042 Phone : 021 402 94 33; 021 402 93 22 Fax: 021 318 10 15 Email: facultatea.energetica@gmail.com |
| Dates | 01.03.2014 – 31.07.2014 |
| Title of qualification awarded | Power Systems Engineering – Master Degree |

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| Principal subjects/occupational skills covered | <i>Optimal Charge Control of Electric Vehicles in Parking Stations for Cost Minimization in V2G concept</i> – master thesis |
| Name and type of organization providing education and training | Grenoble Electrical Engineering Laboratory (G2Elab), 11 rue des mathématiques, Saint Martin d'Herès, 38402, France |
| Dates | 2012 – 2014 |
| Title of qualification awarded | Power Systems Engineering Project name: „ <i>Optimal Charge Control of Electric Vehicles in Parking Stations for Cost Minimization in V2G concept</i> „– master thesis |
| Principal subjects/occupational skills covered | Electrical insulation coordination Power system dynamics Transmission to DC voltage SCADA Smart Grids |
| Name and type of organization providing education and training | Polytechnic University of Bucharest, Splaiul Independentei, nr.313, Sector 6, RO 060042 Phone : 021 402 94 33; 021 402 93 22 Fax: 021 318 10 15 Email: facultatea.energetica@gmail.com |
| Dates | 2008-2012 |
| Title of qualification awarded | Power Systems Engineering Project name: „ <i>Measures to reduce energy losses in electrical networks</i> ” |
| Principal subjects/occupational skills covered | Electrical networks Electricity transmission and distribution Electric installations power plans and power stations Energy market Power systems Protection relay: classical and numerical Automation High voltage engineering Renewable energies |
| Name and type of organization providing education and training | Polytechnic University of Bucharest, Splaiul Independentei, nr.313, Sector 6, RO 060042 Phone : 021 402 94 33; 021 402 93 22 Fax: 021 318 10 15 Email: facultatea.energetica@gmail.com |
| Dates | 2004-2008 |
| Title of qualification awarded | Graduate college |
| Principal subjects/occupational skills covered | Mathematics Informatics (programming language C + +) Romanian Language and Literature Physics |

Name and type of organization providing education and training

College „Calistrat-Hogas”Tecuci, county Galati, street Racovita nr. 20
phone: 0236/82.00.10

Mother tongue(s)

Romanian

Personal skills and competences

Other language(s)

Self-assessment

European level

English

French

| Understanding | | | | Speaking | | | | Writing | |
|---------------|------------------|---------|------------------|--------------------|------------------|-------------------|------------------|---------|------------------|
| Listening | | Reading | | Spoken interaction | | Spoken production | | | |
| B2 | Independent user | B2 | Independent user | B2 | Independent user | B2 | Independent user | B2 | Independent user |
| A2 | Basic user | A2 | Basic user | A2 | Basic user | A1 | Basic user | A1 | Basic user |

Social skills and competences

Teamwork acquired in working experience and extracurricular activities, dynamic, communicative.

Organizational skills and competences

Good experience of project management and coordination teams acquired like a dispatcher of electrical network.

Technical skills and competences

Capacity of using knowledge regarding the operating principals and environmental impact of the power and thermal energy generation, transport and distribution systems.
Capacity of using specific knowledge on the design, operating regimes modelling and electric networks exploitation: substation and transformer stations, electric lines, as well as their automatic control systems.
Capacity of applying specific knowledge on the dispatching and operation optimization of interconnected power systems.
Capacity of using specialized software in electrical power engineering.
Capacity of working within a team, and coordinating a team that accomplishes professional tasks in imposed conditions.

Computer skills and competences

PC Operator Certificate
Microsoft Office , Matlab, C++, Neplan, AutoCad,
Solarius PV, Cplex Studio Optimization, Corel Draw

Driving license

Yes, cat. B

Certified/ Attestation

authorized electrician ANRE: Gr. III A, II B; Authorization No. 42394/2016

Additional Information

dynamic person, sociable, ability to work in a team

Conference article:

1. H. Turker, A. Radu, S. Bacha, D. Frey, J. Richer, P. Lebrusq, *Optimal charge control of electric vehicles in parking stations for cost minimization in V2G concept*, 2014 International Conference on Renewable Energy Research and Application (ICRERA), Milwaukee, WI, 2014, pp. 945-951.
2. A.T. Radu, M. Eremia, L. Toma, *Optimal charging of electrical vehicles in the smart city for loss minimization and voltage improvement*, Scientific Bulletin of the „Petru Maior” University of Tîrgu Mureş Vol. 14 (XXXI) no. 1, 2017.
3. A.T. Radu, M. Eremia, L. Toma, *Optimal electrical vehicle charging strategy for operating conditions improvement in distribution electrical grid*, International Conference on Condition Monitoring, Diagnosis and Maintenance – CMDM 2017 (4th edition), Bucharest, September 2017.
4. A.T. Radu, M. Eremia, L. Toma, *Promoting battery energy storage systems to support electric vehicle charging strategies in smart grids*, 2017 Electric Vehicles International Conference (EV), Bucharest, 2017, pp. 1-6.
5. A.T. Radu, M. Eremia, L. Toma, *Rolul electromobilității în integrarea surselor regenerabile de energie și a generării distribuite*, Conferința ”Zilele Academiei de Științe Tehnice din România” – ediția a XIII-a: ”Energie și mediu – provocări majore ale secolului XXI”, Ploiești, Octombrie 2018.
6. A.T. Radu, M. Eremia, L. Toma, *Optimal charging coordination of electric vehicles considering distributed energy resources*, 2019 IEEE Milan PowerTech, Milan, Italy, 2019, pp. 1-6.
7. A.T. Radu, M. Eremia, L. Toma, *Participation of the Electric Vehicles in the Balancing Market*, 2019 Electric Vehicles International Conference (EV), Bucharest, Romania, 2019, pp. 1-6.
8. A.T. Radu, M. Eremia, L. Toma, *Use of battery storage systems in EV ultra-fast charging stations for load spikes mitigation*, Buletinul Științific al Politehnicii din București, Seria C: Inginerie Electrică și Știința Calculatoarelor, 2020.