



Silviu I. Darie, PhD(EE), PE(EE)

Qualification:

- Master of Electrical Engineering (with Honorus, 1968);
- Ph.D. (Electrical, Engineering, 1974);
- Registered Professional Engineer (PE), Romania, South Africa, New Zealand;
- Technical Specialist in Power System Computer Application;
- Former Vice President Consulting & Engineering, – EDSA / Power Analytics Corporation, San Diego, CA, USA;
- Life Award Professor of Electrical Engineering at the University of Cape Town, South Africa;
- Professor Power Systems Computer Application, Computer Aided Power System Design, Operation and Analysis, Electrical Installations, Electrical Energy Distribution and Management, Strategic Planning, Power System Protection, Power Quality;

Experience:

49 years of University teaching, research, training and consultancy. Large international experience: Romania, South Africa, Suisse, New Zealand, Saudi Arabia, USA.

- Professor of Electrical Engineering at the Technical University of Cluj Napoca - Romania from 1967 to 1990;
- Vice Chancellor 1988 – 1990, Technical University of Cluj Napoca, Romania;
- From 1991 to 1996 - Award Professor of Electrical Engineering at the University of Cape Town, South Africa;
- From 1996 – 1997, Senior Consultant reporting to the National Manager at DesignPower Ltd. New Zealand. Leader of Power Systems strategic studies;
- From 1998 to 2002 - Professor in Power Systems at Technical University of Cluj Napoca, Romania;
- Experience in international project management and commissioning: 1991 – 1997, South Africa and New Zealand;
- Senior Advisor, SC ELECTRICA SA, Romania;
- STE (Short Time Expert) Electrical, Louise Berger SA, Paris, France;
- Research program specialist evaluator of CNCSIS (Romanian National Research Council) for national research and development programs;
- From 2002, January 28 – to 2004 November - Senior Consultant and Leader of Electrical Eng. Department, Compusoft, Dammam, Kingdom of Saudi Arabia;

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- From 2005, January to 29 June 2014 – Power Systems Computer Application Specialist, Vice President, Power Analytics Corporation / EDSA Micro Corporation, San Diego, CA, USA;
 - From 2014 December to January 2015 Senior Specialist, Consultant Engineer, Potomac Power Engineering, Potomac Power Engineering, Inc., Crofton, MD, USA;
 - From 2013 December to current Senior Specialist, Consultant Engineer, GECO, MD, USA;
 - From 2017 January to current Managing Director, EE, C&M Collaborative Technologies, WLL, Manama, Bahrain.
 - PhD coordinator in electrical field – power systems, electro technologies, since 1988;

Honors & Awards:

- Life Award Professor of the University of Cape Town, Electrical Engineering Department;
- Romanian National Research Award;
- Cambridge Who's Who Lifetime Member;
- Honored Member of Strathmore's Who's Who.

Publications:

- Author-co-author of 34 technical books and textbooks;
- Author of 80% of the EDSA/DesignBase Professional Software Manuals and Tutorials;
- Research project contracts and projects for industry application: 190;
- Books in printing house: 11;
- Student manuals: 24;
- Published papers: 118;
- Prototypes designed for industrial mass production: 19;
- Holder of registered patents: 3.

Expertise:

- Power system analysis computer applications, electrical energy distribution, electrical energy management; demand side management; power quality; transmission pricing; embedded generation; computer aided power system analysis and design;
- Author co-author of 35 technical books and student manuals, 118 published papers, 190 research project and contracts and 18 prototypes designed for mass production;
- Holder of 3 registered patents;
- Research area covers the modeling of power system components, power system analysis, power system quality, harmonics analysis and harmonics mitigation, computer aided power system design and analysis, power system distribution optimization, power system protection, transmission pricing, electrical energy management, industrial installation, project investigation, embedded generation, electro technologies, renewables;

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- Large experience in leading professional training. Have conducted EDSA/DesignBase Training to about 2,500 engineers worldwide: USA, Canada, Romania, Suisse, Germany, Denmark, Hungary, China, South Africa, New Zealand, Saudi Arabia, Qatar, Oman, UAE, Singapore, Malaysia, Vietnam, Trinidad, San Lucia;
 - Certified Trainer - Trainers Bureau, Kuala Lumpur, Malaysia;
(http://trainersbureau.com/trainers/5/33/119/Dr_Silviu_Darie);

Software Experience:

EDSA / Paladin DesignBase, SKM, PSS/E, PSS/U, ETAP, Easy Power, DigSILENT, NePlan, ASPEN, CYME, PSCAD/EMTDC.

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