

WALDEMAR JAN SMOLUCH, B.SC., M.SC., P.ENG, PH.D., LSIEEE

PROFILE

- Several years project engineering, project managing, research and designing, testing and troubleshooting experience in industrial control and power electronics systems.
 - Strong problem solving and leadership skills as they have been applied to complex project.
 - Several years lecturing and tutoring at Universities in Poland and Nigeria.
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EMPLOYMENT EXPERIENCE

Visiting Professor

2014-2016

Electrical Engineering and Computer Science Faculty of Lublin University of Technology, Poland

- Seminars and Lectures on Photovoltaics Power Systems and International Standardizations Process to graduate and doctorate students.

Senior Applications Engineer

2000-2012

Siemens Canada Limited, Burlington

- Project managing, project engineering, preparing sale proposals and technical support in solar systems, electrical drives and power electronics.

Power Electronics Specialist

1999-2000

Siemens-Westinghouse Technical Services, Industry & Construction Group, Burlington

- Consulting and technical support in power electronics and electrical drives fields.

Control and System Design Engineer

1987-1999

Rockwell Automation Drive Systems (Formerly: Reliance Electric Ltd.)

- Team leader of numerous projects.
- Design of industrial control systems.
- Application of DC and AC motor controls for industrial processes and positioning systems.
- Design and programming Automax DCS, PLC-5 and SLC-500 systems.
- Commissioning of process and position drive systems.
- Responsible for drive systems CSA Special Certifications.

Design Engineer

1987 term position

Polytronics Engineering Ltd., Mississauga

- Contract to design a Uninterruptible Power Supply with Transistor PWM Controlled Inverter.

Power Electronics Lecturer

1984 - 1986

A.T.B. College of Ahmadu Bello University, School of Engineering, Bauchi, Nigeria

- Lectures on Power Electronics and Electrical Machines.
- Planning and developing of Electrical Machines Laboratory.

Electrical Engineer to Associate Professor

prior to 1984

Technical University of Lublin, Poland

- Performing research and development works within: Power Electronics, Electrical Drives and Control of Electrical Machines fields.
- Lectures on Control of Electrical Machines and Drives.
- Design and development of industrial drive systems.
- Head of Electrical Drives Department (4 years).

EDUCATION

PH.D. IN POWER ELECTRONICS

- Electrical Engineering Department, Technical University of Lodz, Poland

M.SC. DEGREE IN ELECTRICAL ENGINEERING

- Electrical Engineering Department, Technical University of Warsaw, Poland

B.SC. DEGREE IN ELECTRICAL ENGINEERING

- Electrical Engineering Department, Technical University of Lublin, Poland

ADDITIONAL EDUCATION

- Project Management Core Program, Siemens Academy, Ontario
- AC Masterdrives and S7-PLC Training, Siemens Canada Ltd., Ontario
- PLC-5 System Design & Programming, Rockwell Automation, Ontario
- A-C Application Training, Reliance Electric Training Center, Cleveland, Ohio, USA
- Engineering Law and Ethics Program, University of Waterloo, Ontario
- Positioning Systems Course, Reliance Electric Ltd., Yokohama, Japan
- Electronics Engineering, St. Lawrence College, Kingston, Ontario
- Post Graduate Research Scholarship, Electronics Group, Department of Engineering, Twente University of Technology, Holland

GENERAL

- Member of the Association of Professional Engineers of Ontario, the Institute of Electrical and Electronics Engineers and Project Management Institute.
- Member of the Canadian Standard Association Committees.
- The author and co-author publications published in several Polish and North American Technical Journals and for the company's internal distribution.

