

Curriculum Vitae

Łukasz Zwaliński

Date of Birth 26.09.1982
Place of Birth Krakow, Poland
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- Education:**
- 2001 – 2006 **Master of Science (M.Sc. Eng.)** Krakow, PL
- AGH University of Science and Technology
 - Faculty of Physics and Applied Computer Science
 - Master of Science in the field of technical physics majoring in energetics
 - Thesis: Utilization of PIV technique in mixed convection analysis
- 2003 - present **Bachelor of Science (B.Sc. Eng.)** Krakow, PL
- AGH University of Science and Technology
 - Faculty of Mining Surveying and Environmental Engineering
 - B.Sc. in the field of engineering surveying, dean's leave
- Experience:**
- 1 Feb 2006 – present **CERN – European Organization for Nuclear Research** Geneva, CH
- AT Department / CRG Cryogenics Group
 - Responsibility: PLC and SCADA software development for cryogenic control system of the LHC, commissioning of cryogenic control system
- 4 – 22 Jul 2005 **AGH University of Science and Technology** Krakow, PL
- Faculty of Non-Ferrous Metals – Department of Process Engineering
 - Student internship, preparation data for thesis, project research, work with specialist in the field of mixed convection problems
- Jun-Sep 2004 **Cablecomb Ltd** Reading, UK
- Network cabling assistant
 - Installation of numerous network cabling installations ranging from category 5 to fibre optics, tests of fibre optics and category 5e installations, fault finding and correction, termination patch panels and jacks, preparation plans and calculation of new routes, I was involved in 7000 data outlet installation, I supervised my own small team
- 1 – 18 Jul 2003 **CDN Partner** Krakow, PL
- Internship, familiarization with CDN software and company structure, work as a software tester of the integrated system for management for small and medium-sized companies (CDN-Optima)

Experience:

- Jun-Sep 2002 **Cablecomb Ltd** Reading, UK
- Network cabling assistant
 - Installation of cables from category 5 to fibre optics, numerous cores and sizes, identification new routes and potential trouble spots and problems, tests of fibre optics, I was involved in 2000 data outlet installations comprising 7 individual buildings linked by fibre optic
- Jun-Sep 2001, Jun-Sep 2000 **“Maciek” food company** Krakow, PL
- Work in food trade
- Jun-Aug 1999 **CSI - Communications Systems Installations** Reading, UK
- Network cabling installer
 - Installation of cables from category 5 to fibre optics, installation of trunking, dressing cables in cabinets, testing and terminating

Additional trainings

- 23 – 25 Jan 2008 CERN– European Organization for Nuclear Research Geneva, CH
- Siemens S7 – Distributed Safety
- 14 Jan 2008 CERN – European Organization for Nuclear Research Geneva, CH
- Radiological Protection at CERN
- 11 – 12 Jul 2006 CERN – European Organization for Nuclear Research Geneva, CH
- Introduction to Databases and Database Design
- Dec 2004 HERZ Armatura i Systemy Grzewcze Spółka z o.o. Krakow, PL
- Selection and usage of Herz products with use an engineering software “Audytor OZC CO”

Language skills

English – fluent spoken and written
French – level A2, Ecole – club Migros Geneve, planning to continue the course
German – basic
Polish – mother language

Computer skills

Siemens: STEP 7, Simatic ProoTool (OP7), Simatic PDM => good
PVSS, Auto-Cad , MS Office, MS Windows, Win-Calk, CGeo => good
Herz OZC/CO, LaVison - DaVis 6 => good
C++/Java/Visual Basic programming => basic
CDN Optima, Mathematica, Data base and SQL => basic

Activities and interests

Skiing, squash, swimming, numismatics, photography, travelling, energetic

Others

Driving license category B; from 2000
Experience in field buses ProfiBus, WorldFip (basic)

Punctual, fast learner, methodical, experienced in international environment, responsible

Appendix 1

Publications

Co-author

- Experience in configuration, implementation and commissioning of a large scale control system (based on LHC Cryogenic Control System) - to be presented at ICC2008, May 2008, Sinaia, Romania
- An automatic approach to PLC programming for a large scale slow control system (based on LHC Cryogenic Distribution Control System) - to be presented at ICC2008, May 2008, Sinaia, Romania
- The Control System for the LHC tunnel cryogenics Design, Implementation and Commissioning - to be presented at ICEC22, July 2008, Seoul, Korea