





PERSONAL INFORMATION

IULIU ADRIAN NADAS



 National Institute for Research and Development of Isotopic and Molecular Technologies, Cluj-Napoca, 67-103 Donath St., 400293 Cluj-Napoca, ROMANIA
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 Iuliu.Nadas@itim-cj.ro

Sex Male | Date of birth 02/05/1979 | Nationality Romanian

POSITION WITHIN THE PROJECT

Mechanical Engineer

WORK EXPERIENCE

June 2016- Present

Technological Development Engineer II

National Institute for Research and Development of Isotopic and Molecular Technologies, Cluj-Napoca, 67-103 Donath Street 400293 Cluj-Napoca, Romania, <http://www.itim-cj.ro>

Mechanical design and development of testing and equipping devices for mechanical systems used in the ATLAS research project at CERN.

February. 2013 – June 2016

Mechanical Design Engineer/DC Power Design Engineer

S.C. Emerson S.R.L., Cluj-Napoca, Emerson Street No.4, 400641, +40 (364) 731000. Fax: +40 (364) 731001

Tel:

- Mechanical Design of AC units, integration of electrical, thermodynamic in the assembly unit for example: fans, compressors, electrical panel, evaporating coil, condensing coil, refrigerant circuit and so on.
- The 3D software used for design was Solid Edge ST3, ST6 and ST8 and the used modules were SE-assembly, sheet metal, part and draft.
- Over the 50% abroad work in R&D offices in Nove Mesto, Slovakia and Tognana, Italy.

June 2007-February 2013

IDDS Engineer/DC Power Design Engineer

S.C. Emerson S.R.L., Cluj-Napoca, Emerson Street No.4, 400641, Tel: +40 (364) 731000, Fax: +40 (364) 731000

- 2007-2008 design fiber optic networks (FTTP) for residential areas in USA on Virginia and Pennsylvania. Make work prints for installers to have them in field. Dimensioning distribution terminals and calculation number of fibers based of hub dimension and number of houses in the designated area.
- Customer's data base and maps update.
- Software used Microstation for drafting, this software was inside of IDDS platform.
- 2008-2013 DC Power Design Engineer, design installation of DC power equipment based on customer's standards for C. O's. The main customers were AT&T.
- Made BOM's based on information from field engineer, made project specifications (SPEC) based of customer's standards. Start-up call and close-out call for each project, remote support for installer in field if needed.

July2006 – June 2007

Mechanical design Engineer

S.C. NAPOSINT S.R.L., Cluj-Napoca (Romania)

- Design of tools and devices necessary for manufacturing of sintered parts.
- Study the design that came from client and redesign and propose technological solution based on technological capabilities.
- Software used AutoCad and SolidWorks.

January 2006 - July 2007

Mechanical Engineer

Tehnomat S.R.L. , Cluj-Napoca (Romania)

- Made 2D drawings and 3D drawings for auto industry and automotive industry.
- Software used SolidWorks.

January 2006 - July 2007

Mechanical Engineer

S.C. Copa Electronic S.R.L.

- Here my main activity was maintenance and improvement for this assembly line which assembled mechanical parts.
- Assurance the quality of production made on this assembly line, continuous improving of assembly line, work instructions for assembly line operators.
- Mechanical design of some devices for assembly line.

EDUCATION AND TRAINING

- 1998-2003 **Bachelor of science in Engineer - Mechanical Engineering** 7 EQF
 Technical University of Cluj-Napoca, Faculty of Machine Building, 103-104 Muncii Blvd.
 400641, Cluj-Napoca, Cluj, Romania.
- 2004-2005 **Master diploma in quality engineering.**
 Technical University of Cluj-Napoca, Faculty of Machine Building, 103-104 Muncii Blvd.
 400641, Cluj-Napoca, Cluj, Romania.

PERSONAL SKILLS

Mother tongue Romanian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	B2	C1
Italian	A2	A2	A1	A1	A1

 Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
 Common European Framework of Reference for Languages

Communication skills Good communication competences both writing and speak. Experience working in multicultural teams, good experience working abroad.

 Organizational / managerial skills Good organizational of work activities.
 Good analytical skills.

Understanding work flows and processes.

Job-related skills Ability to handle/prioritize multiple tasks as necessary.
Able to focus on technical problems and solve.
Analyze possible technical solutions from multiple point of view.

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Levels: Basic user - Independent user - Proficient user

- Other skills:
- Advanced knowledge in CAD application like Solid Edge, SolidWorks, AutoCAD, Creo Parametric, Microstation.
 - A good command of desktop operating system and office applications;
 - a good command of office suites (word processor, spreadsheet, presentation software)
 - knowledge of photo editing and graphics processing suite

Driving license B

ADDITIONAL INFORMATION

Over 12 years of experience in engineering domain, gathered technical skills in mechanical engineering and also in telecommunications and electrical engineering.
Able to prioritize tasks.

Projects:

- Participations in the projects for automotive industry.
- Design tools for sintered parts for customers like Bosch, ThyssenKrupp Bilstein, Stabilus etc.
- Experience in Telecom area and DC Power design made projects for biggest Telecom companies in United States like AT&T and Verizon.
- Work for one of the leaders in thermal management (cooling) solutions for data centers sectors, work for improvement and redesign of 2 families of air conditioning units and new design of the newest Evaporating Freecooling unit.

List of papers

Nadas, I. A., Pisla, D., Vaida, C., Gherman, B. G., & Carbone, G. (2018). Towards Cost-Oriented User-Friendly Robotic Systems for Post-Stroke Rehabilitation. In M. Habib (Ed.), *Handbook of Research on Biomimetics and Biomedical Robotics* (pp. 99-141). Hershey, PA: IGI Global. doi:10.4018/978-1-5225-2993-4.ch005

Nadas I., Vaida C., Gherman B., Pisla D., Carbone G. "Considerations for Designing Robotic Upper Limb Rehabilitation Devices", 11th International Conference on Processes in isotopic and Molecules PIM 2017, Cluj-Napoca, Poster T3-15, 2017.

Nadas I. et al. (2019) Design of Dual-Arm Exoskeleton for Mirrored Upper Limb Rehabilitation. In: Carbone G., Ceccarelli M., Pisla D. (eds) New Trends in Medical and Service Robotics. Mechanisms and Machine Science, vol 65. Springer, Cham

The ATLAS Collaboration, ATLAS Tile Calorimeter: Technical Design Report for the Phase-II Upgrade of the ATLAS Tile Calorimeter. Reference: ATLAS-TDR-028 CERN-LHCC-2017-019, CERN, Geneva, June 2018

Cerere de brevet de invenție cu titlul ”Dispozitiv de reabilitare cu cabluri” Autori.: Caffola Danielle, Giuseppe Carbone, Pislă Doina Liana, Vaida Liviu Călin, Nadăș Iuliu Adrian Nr. de înregistrare A/00559 din 31.07.2018

Cerere de brevet de invenție cu titlul ”Sistem inovator cu cabluri pentru reabilitarea mișcării membrilor superioare” Autori: Carbone Giuseppe, Pislă Doina Liana, Vaida Liviu Călin, : Nadăș Iuliu Adrian Nr. De înregistrare A/00558 din 31.07.2018