EVGENY SAVIN

TECHNICAL PROJECT LEADER & SENIOR RF ENGINEER

PERSONAL PROFILE

PhD in particle accelerators and experienced team leader of innovative hardware, software and AI projects for telecom and energy industry. I have an experience in working both on company solo projects and in collaboration with big industrial partners.

AREAS OF EXPERTISE

- CST Studio Suite
- ANSYS Workbench
- Python
- Machine Learning apps hands-on experience
- SQL queries
- Git maintainer

SOFT SKILLS

- Perfect English
- Science and business presentations (En and Ru)
- Agile project management
- Lean, Kanban
- Get along with team, directors, stakeholders and partners
- Fast self-learner and good consultant

GET IN CONTACT

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www.researchgate.net/profile/Evgeny_Savin

WORK EXPERIENCE

TECHNICAL DIRECTOR

Clustech, LLC (Moscow, RU) | 2017 - Present

- Creating ideas for Machine Learning projects
- Communications with investors and customers
- Managing tasks distribution between developers
- Working on regression models (Python, ML)
- Job interviews for technical positions
- Presenting projects on seminars and international conferences & exhibitions

HEAD OF LABORATORY

BTlabs, LLC (Moscow, RU) | 2017 - Present

- R&D on RF MEMS, mmWave antennas and metamaterials for 5G and satellite telecom
- RF and structural simulation with CAD tools
- RF measurements with VNA and on a probe station
- Distributing tasks between a team of engineers and physicists
- Communications with industrial partners, co-performers, foundries
- Writing technical proposals and reports
- Presenting results on international conferences
- Writing articles to peer-reviewed journals

RF DESIGN ENGINEER

RadiaBeam Technologies, LLC (Santa Monica, CA) | 2015 - 2016

- RF and structural design of innovative particle accelerators components
- Cold measurements with VNA of the manufactured accelerating cavities
- Designing a fast-switching electromagnet for fast ion separation
- Designing and measurement of a metal-dielectric microlinac
- Designing high performance high-gradient cavities for the carbon therapy source
- Designing an RF gun with a novel intracell coupling geometry

PUBLISHED IN JOURNALS

- Physical Review Special Topics
- Nuclear Instruments and Methods in Physics Research
- Microsystem Technologies

CONFERENCES & EXHIBITIONS

- IPAC (posters, exhibitions)
- LINAC (posters)
- RuPAC (oral presentation, posters)
- EuMW (delegate)
- GITEX (exhibitor)

WORK EXPERIENCE

RF ENGINEER

Microwave Systems (Moscow, RU) | 2014 - 2015

- Measurement and tuning with VNA wideband power amplifiers complex modules (2-18 GHz range)
- Measurement and tuning of gain, power and control voltage
- Conducting thermal and mechanical reliability experiments
- Designing high power waveguide-based power combiners using CAD tools

RF ENGINEER & PROFESSOR ASSISTANT

National Research Nuclear University PEPhI (Moscow, RU) | 2011 - Present

- R&D on perspective geometries for accelerating cavities
- RF and structural design with CAD tools and cold measurement of prototypes using VNA
- Design and measurements of the waveguide based RF components such as direction couplers, phase shifters, power combiners etc.
- Assisting with labs and lectures on RF engineering and particle accelerators
- Building the University strategy

MAIN EDUCATION

NATIONAL RESEARCH NUCLEAR UNIVERSITY MEPHI

PhD in particle accelerators, 2017

- PhD thesis is about industrial electron accelerators for medicine, cargo inspection and radiography
- Recruited and mentored perspective students to the laboratory

Master in particle accelerators, 2014

- Master's thesis is about design, manufacturing and measurements of an industrial S-band electron linear accelerator

ADDITIONAL EDUCATION

INTENSIVE PHYSICS SCHOOLS

Intensive physics courses taught by professors from Eu and US Universities and science facilities

- US Particle Accelerator school (2012, 2017)
- JUAS - accelerator school by CERN (2014)
- International linear colliders school (2013)