

OLEG FEYGENSON, PhD, TRIZ Master



A-4205, Metapolice apt., Bansong-dong 96,
Hwaseong-si, Gyeonggi-do, South Korea.

Telephone: +82 10 4339 2772

E-mail: oleg.feygenson@gmail.com

TRIZ Expert

HIGHLIGHTS

- President of the International TRIZ Association (MATRIZ)
- Innovative researcher with proven ability to identify and solve complex technical problems
- Excellent interpersonal, communication and project management skills. Years-long experience of working in international atmosphere
- PhD in Applied Physics

PROFESSIONAL EXPERIENCE

Samsung Electronics (Suwon, South Korea)

Principal Engineer

02.14 – present

Full time TRIZ consulting and training

- Execution of the most challenging innovative projects in the areas of semiconductors, home appliances and mobile devices
- Conceptual development of new products
- TRIZ training for Samsung employees

Algorithm Technology Research Center (Saint Petersburg, Russia)

(Subsidiary of Gen3 Partners, Boston, USA)

Senior Principal / Department Head

11.2007 – 01.2014

Project Leader

05.2006 – 10.2007

Responsible for scientific and technical support of TRIZ trainings and mentorship sessions:

- Lectured parts of GEN3 Partners' TRIZ course for the corporate clients such as General Electric; Wrigley; Fuel Cell Energy, Inc. and others
- Developed a content and new case studies for TRIZ training courses
- Conducted mentorship sessions. Analyzed problems and provided solutions together with client's teams
- Participated in the development of advanced TRIZ tools: Forecasting, Resource Analysis, Flow Analysis, combining TRIZ & LEAN.

Archimedes Technology Group, Inc. (San Diego, USA)

Plasma Physicist

10.2005 – 04.2006

Consultant (part time)

09.2001 – 09.2005

Guided research and development efforts in the area of plasma processing and vaporization of materials:

- Developed a nanoparticle production technology by evaporation of micron sized precursors in an inductively coupled plasma torch
- Developed a method for vaporizing micro powders by a laser beam. Such method allows evaporation of refractory materials without significant gas throughput which is impossible to achieve by using plasma torches
- Lead conceptual and technical design and construction of a vacuum test facility
- Conducted live equipment tests, developed and maintained diagnostics, analyzed experimental data, presented findings for peer review

Applied Physics, Ltd. (Saint Petersburg, Russia)

Engineer

09.2004 - 09.2005

Responsible for communications with international clients: Archimedes Technology Group, Inc. (San Diego, USA), Sifracco (Paris, France). Guided research in the waste treatment area:

- Developed a nebulizer for injection of slurry droplets into a plasma reactor at low pressure and atmospheric pressure
- Managed several international projects: report preparation, planning and executing activities of international working teams

Algorithm Technology Research Center (Saint Petersburg, Russia)

(Subsidiary of Gen3 Partners, Boston, USA)

Project Leader

09.2003 – 08.2004

Researcher

02.2003 – 09.2003

Successfully performed innovative consulting projects for corporate clients such as Chiquita, Clorox, Navistar and others. Worked as a Project Leader on 10 of them.

- Worked with corporate clients to identify technical problems and provide solutions using proprietary TRIZ methodology
- Lead conceptual design, technical design and construction of an industrial prototype of a machine for separating banana clusters into separate bananas (developed method is patented)
- Planned and executed activities of international teams of TRIZ experts, scientists and engineers

Saint Petersburg State Polytechnical University (Saint Petersburg, Russia)

Professor's assistant

09.2001 – 06.2003

Graduate Research Associate

04.1999 – 05.2002

- Performed analytical studies of plasma reactor technology for powder treatment
- Developed novel radio frequency technology for plasma processing and spheroidization of micro powders
- Designed, constructed and operated plasma reactor prototypes for a commercial powder treatment process (Sifracco Co., France)
- Taught graduate-level classroom and laboratory courses in plasma applications. Courses: "Plasma-technology", "Electro-technology", "Low temperature plasma application"

EDUCATION

Ph.D., Applied Physics, 05.2002

St. Petersburg State Polytechnic University (Saint Petersburg, Russia)

Thesis: "Development and investigation of radio frequency plasma torch and test bench for industrial waste treatment"

M.S., Applied Physics, 02.1999

St. Petersburg State Polytechnic University (Saint Petersburg, Russia)

Thesis: "MgO powder spheroidization in low temperature plasmas"