Oleg Abramov, Ph.D.

EXPERIENCE AND SKILLS

- Level 4 certified TRIZ expert by International TRIZ Association (MATRIZ)
- About 15 years of successful leadership in Innovation consulting
- Creativity, proven expertise in identifying, analyzing and solving problems
- Strong communication skills, ability to handle conflicting situations
- Solid experience in working closely with clients

CAREER HIGHLIGHTS

1996 – Present: GEN3 Partners, USA; St. Petersburg (Russia) branch. Department Head.

- Received Certificate of Appreciation in recognition of valuable contribution to GEN3 Partners;
- Professional certification in the International Theory of Invention Problem Solving (TRIZ) Association - Certificate: TRIZ Expert;
- Managed about 50 successful consulting projects for Xerox, Owens Illinois, Tyco Electronics, Proctor&Gamble, FMC, Intel, Hilti, Honda, British American Tobacco and others;
- Worked closely with the clients at their facilities in the US and Europe;
- Delivered intermediate and final presentations at customers' locations in the US and Europe, as well as participated in meetings which resulted in signed contracts for new projects;
- Conducted several seminars on TRIZ/G3:ID for GEN3 employees and for students of the International University of Scientific and Technical Creativity in Russia.

1996 – 1982: Saint Petersburg Electrotechnical University (LETI). Associate Professor.

- Created and guided several courses including Measurements in Radio Engineering, Radio Signals and Spectra, Signal Processing Using Electron Spin Echo Phenomenon (special course), TRIZ, and others.
- Conducted several scientific research projects as a project leader.

EDUCATION

1992: Ph.D. in “Signal processing using electron spin echo phenomenon”

1976 – 1982: Saint Petersburg Electrotechnical University (LETI). Obtained a distinction in radio engineering.

TRIZ EDUCATION

1984 – 1986: The International University of Scientific and Technical Creativity. Course on the Theory of Invention Problem Solving (TRIZ). TRIZ specialist Diploma.

PATENTS

1. A.C. 905757 СССР. Спектрометр спинового эха.
2. A.C. № 1301140 СССР. Спиновый эхо-процессор для имитации отраженных сигналов.
3. A.C. № 1221564 СССР. Устройство возбуждения электронного спинового эха.
4. A.C. № 1398619 СССР. Имитатор сложных радиолокационных эхо-сигналов.
5. A.C. № 1401423 СССР. Устройство задержки импульсных радиосигналов.
6. A.C.1764427 СССР. Устройство задержки импульсных радиосигналов.
7. Патент РФ №2033624. Устройство для измерения магнитного поля.
8. US patent 5,685,348. Electromagnetic filler for developer material.
9. US patent 5,909,829. Vibratory filler for powders.
10. US patent 5,947,169. Oscillating valve for powders.
11. US patent 6,029,475. Batching of molten glass in the production of graded index of refraction glass bodies.
12. US patent 6,196,278. Powder filling utilizing vibrofluidization.
13. US patent 6,347,648. Powder filling utilizing vibrofluidization.
14. US patent 6,486,832. Direction-agile antenna system for wireless communications.
15. Патент РФ №2207724. Способ радиосвязи в беспроводной локальной сети.
16. Патент РФ №2221334. Способ радиосвязи в беспроводной локальной сети и приемопередающее устройство.
17. Патент РФ №2231874. Антенное устройство с управляемой диаграммой направленности, приемопередающее устройство и сетевой портативный компьютер.
18. Патент РФ №2233017. Антенное устройство с управляемой диаграммой направленности и планарная направленная антенна.
19. Патент РФ №2254682. Способ радиосвязи в беспроводной локальной сети.
20. US patent 7,162,273. Dynamically optimized smart antenna system.

21. US patent 7,215,296. Switched multi-beam antenna.
22. US patent 7,292,201. Directional antenna system with multi-use elements.
23. US patent 7,570,215. Antenna device with a controlled directional pattern and a planar directional antenna.
24. US patent 7,627,300. Dynamically optimized smart antenna system.
25. US patent 7,696,948. Configurable directional antenna.
26. US patent 7,729,662. Radio communication method in a wireless local network.
27. US patent 7,907,971. Optimized directional antenna system.