

# Lightning in a Bottle

A Chat with Dr. Kiril Chukanov

By Tim Ventura & Kiril Chukanov, August 6, 2005  
(Photos courtesy of Sterling D. Allan, PES Online)

*Can the power of ball-lightning be harnessed to provide limitless amounts of free-energy? After witnessing his stunning presentation at the TeslaTech 2005 expo, we caught up with Chukanov for some additional insight into his research, which utilizes the manipulation of stable gas-plasmoids to power what he claims is a form of energy generation device capable of producing kilowatts of electrical output at up to 500% efficiency....*

**AAG:** Can you tell us a bit about your background, and what initially motivated you to become interested in the possibility of using the principles of Quantum Mechanics for energy generation?

**Chukanov:** My complete background is available online, and includes a PhD in physics, work in Bulgaria & Moscow as a research scientist, production manager & University professor, and more recently work here in the Salt Lake area, including a brief position studying Cold-Fusion at the University of Utah in 1992. Since 1996 my work has been focused on the foundation of the "Chukanov Quantum Energy" company, as well as writing several books on Quantum Mechanics theory & applications.



**Lightning in a Bottle:** Chukanov claims his QFE system produces up to 500% over unity.

**AAG:** Your website is online at [www.chukanovenergy.com](http://www.chukanovenergy.com), and contains a section on the future products that you're building. It states that you're currently working on Quantum Energy Generators for use in eventual commercial applications.



**Dr. Kiril Chukanov:** The Future of Free-Energy?

**Chukanov:** Yes, that's true. We've just announced the completion of our second prototype quantum energy generator, 'Angelina III' – a 2.2 kilowatt generator featuring a wide range of instrumental measurements and complex automation. The core of the generator contains the ball lightning, while circuitry and measuring instruments monitor power consumption, emission of heat and the energy given off by the ball lightning. The energetic potential of the ball lightning is so enormous, that the energy given off by the quantum plasma macro-object can exceed the energy supplied several times fold.

Our estimations show that the energy given off is approximately 500% in excess of the energy supplied. To those of us involved in the project, this is a tremendous step forward.

**AAG:** In the case of the Quantum Energy Generators, you've talked about constructing both a 2.2kw and 5kw model to produce direct electrical output. Are your current tests generating this kind of output, and if so, how much electrical input is required to sustain the reaction?

**Chukanov:** Angelina-IV and Angelina-V are experimental demonstration QFE generators. I'm talking about input microwave power: "Angelina-IV" – 3 KW input power, "Angelina-V" – 2.1 KW. For both generators the extra output quantum free energy (in form of photon-radiation) is about 15%. In parallel with this "free quantum synchrotron radiation", both generators can produce very powerful "backward free wild electrical current" – 10-100 times bigger than the input microwave and excitement power (depending on the power of the excitement current). This "wild" current, however, creates now only trouble (it destroyed my equipment and neighboring transformer). The "wild" electrical current is composed my multiple of sub-currents with very large variety of voltage – from 240 V to several millions of volts. We must create some very special electrical device which can "calibrate" this current to normal electrical current. Now I have no idea how to do that.



**In the Lab:** A closeup of Kiril prepping the 'Angelina' for a recent demonstration.

**AAG:** You recently showed a video of your experiments at the TeslaTech 2005 conference, and I talked to a few people in the audience who were describing "Microwave Stimulated Plasmoids", which were popularized in 2000 by Naudin as a means of creating stable ball-lightning. How do these relate to your research, and are they the means for generating power?

**Chukanov:** Naudin is just repeating my microwave experiments for creation of artificial ball lightning. He does not work on "Free Quantum Energy" production from ball lightning. His work is not interesting fpor me.

**AAG:** At it's most basic level, you've described a device that produces more electrical output than it uses in the process. How would you address critics who might complain that this idea is another "free energy device"?

**Chukanov:** My firm opinion is that Quantum Free Energy is the only real source of Free Energy. Free Energy is energy which is produced without any primary energy source. In the case of QFE, there is a violation of the Law of Energy Conservation in some special quantum conditions. ZPE, Radiant energy, and other "free energy" "inventions" are just a "science fiction" – they are a result of luck of knowledge of their authors about very deep features of the Primary Substance. I'm not afraid of critics, I invite them to my lab, and I demonstrate to them QFE.

**AAG:** Let's switch gears just a little bit, and talk about Tesla... as you know, he conducted extensive research into Ball-Lightning, and felt he could produce it on-demand from a modified coil apparatus. Numerous people have experimented with this research over the years, but none of them have claimed to use it for energy generation. What makes your approach uniquely successful, and did Tesla's research play any part in your own work?

**Chukanov:** Nicola Tesla is my countryman – we are from the same nationality – East South Slavic nation. In our language “Tesla” means “adze” (a kind of tool), “Chukanov” means “hammer” (another tool, very similar to adze). I’m not motivated by Tesla’s work – he describes a method for generating an artificial ball lightning, I work on QFE. I’m inspired by God.

**AAG:** To clarify a bit, the description on your website talks about stabilizing ball-lightning into a quantum plasma macro-object can exceed the energy supplied by up to 500%. How is ball-lightning capable of emitting that much energy?

**Chukanov:** An “excited” ball lightning (by special electrical current or by electron flow) can radiate many times more output “free quantum energy” (10, 100, ..., millions,...) depending of the microwave input power and on the power of the excitement factor. Obviously, for high level of these powers, we can create very dangerous weapon of super mass destruction – Quantum Photonic Bomb. For lower levels of these powers, this method is absolutely safe.



**AngIV:** Demo of a stable ball-lightning plasmoid.

**AAG:** People have been speculating that advances in free-energy will lead to Antigravity, and vice versa.....also, you're doing work with gas-plasmas, which have been a particular hot topic recently in the AG research community. Have you noticed any Antigravity effects or anomalous forces that might indicate some type of gravity-modification in your experiments?

**Chukanov:** Antigravity has nothing to do with QFE.

**AAG:** You mention another product on the website -- a new type of compact particle accelerator. Can you tell me a bit about this device, and how it relates to your energy generation research?



**AngIV:** Second demo shows a stable plasma.

**Chukanov:** A highly excited ball lightning can radiate very energetic photons – with energy comparable with the most energetic cosmic rays. There exist no conventional methods of accelerating of neutral particles. On the other hand, some “quantum electrons” an have energy which cannot be created in the conventional “electron accelerators”. QFE accelerators are very cheap (about \$ 100, 000), very small (like small room), and much more powerful by contrast with conventional accelerators. They can have multiple applications – including “nano-technologies”.

**AAG:** On the business side of things, the idea of a high-power overunity electrical generator is tempting enough that I should ask about pricing and availability. What do you expect these devices to initially cost, and how long do you think that it will be until we see them on the open-market?

**Chukanov:** Small power QFE generators are not economically efficient. I’m planning to built (if funding is available) a “800 KW” power QFE generator for electricity and heat. Such generator can supply a whole block of houses (or plant) with QFE ( no fuel or electricity from outside). For this project I need about 1 ½ years, about ten good specialists, and about \$ 2 millions.

**AAG:** Let's return to the conference video for a second: it created quite a buzz at the conference, and we're hoping to repost sections of your demo online for our users. Are you open to allowing American Antigravity to post this on our site to give the audience a better understanding of the work you're doing?

**Chukanov:** Yes, I respect your AG society, and I'll be very happy to see my work posted in your web-site.

**AAG:** You've written a book entitled "General Quantum Mechanics: The Unveiled Secrets of Primary Substance", which you're selling online at [chukanovenergy.com](http://chukanovenergy.com) for \$44.95. Would it be correct to state that you've put several extensions to standard QM theory into this book, or does your research arise more from a unique interpretation of the standard model?

**Chukanov:** General Quantum Mechanics is a general reform of the Fundamental Science (both Physical and Biological). Contemporary quantum mechanics (in fact micro-quantum mechanics) and all related to it fundamental theories (standard model, for example) are just a mathematical models, which have nothing to do with reality in our world.

**AAG:** One of the biggest challenges of breakthrough technology development is funding the experimental research to bring the research towards commercial viability. I was hoping to ask how the funding situation is going, and if you're on-track for meeting your goals of eventual commercialization.

**Chukanov:** Money and scientific awards do not interest me. My QFE discovery is protected by two patents (the second one, will be issued soon). After contacting (actually, they contacted me) some false investors (mostly from outside USA), I stop to work on possible funding. That's all I can answer.



**Free Energy From Ball-Lightning?** The photo above captures a globe of ball-lightning in the air. Until recently, many scientists weren't even sure that Ball Lightning was a real phenomenon, as it was difficult to establish how a high-voltage electrical field would maintain such a high field gradient without spontaneously dissipating.

Dr. Kiril Chukanov has the answers, "For many decades people were observing the mysterious natural phenomenon of ball lightning that seemed to radiate enormous amount of energy in form of light and heat. This natural phenomenon occurs most frequently during storms, often in opened areas. Although science possesses knowledge of even the smallest structural components of our surroundings (atoms, molecules, and the nature of elements), there hasn't been a single revealing explanation ... until now."

"It has mostly been assumed that the energy in ball-lightning is insignificant and comes from an external source. This assumption serves as a primary reason why this natural phenomenon has not yet been produced in artificial environment. The secondary reason for that is the fact that before ball lightning can be produced in artificial environment, its nature has to be understood first."

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Dr. Kiril Chukanov is a physicist specializing in applied Quantum Mechanic, thermodynamics, and applied physics. He founded the "Chukanov Quantum Energy Corporation" in 1996 - You can visit them online at <http://www.chukanovenergy.com>. Photos courtesy of Sterling D. Allan's Pure Energy Systems, online at: <http://www.freeenergynews.com/Directory/Chukanov/>