

More Radioactivity Neutralization Methods

Higher Group Symmetry Electrodynamics

Extremely weak, non-classical, higher group symmetry electromagnetic fields can alter significantly the level of radioactivity in materials – even those in the environment.

Experiments suggest that higher group symmetry electrodynamics modulate the quantitative and /or qualitative properties of radioactive species. If the non-classical fields directly affect the radioactive species, it is likely that the appropriate field parameters will be discovered to neutralize radioactive emissions.

The technology is extremely simple and could be applied with minimum logistics for treating massive structures, *in-toto* outdoors, such as the Chernobyl disaster site.

Photo-Remediation

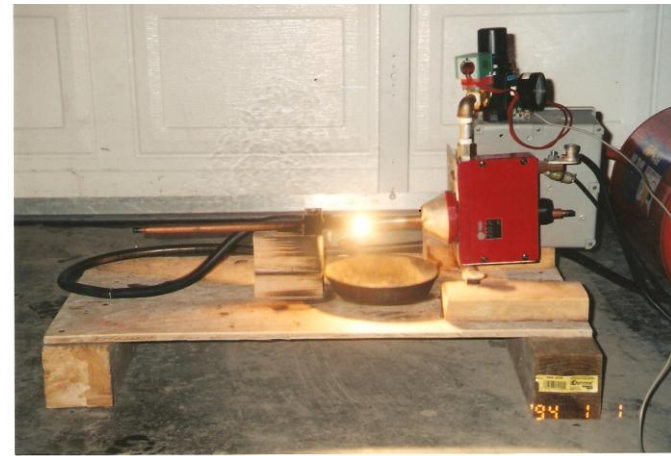
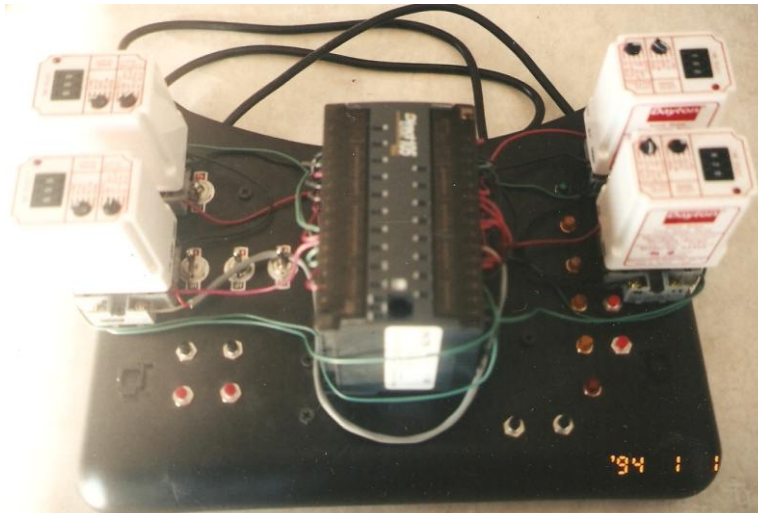
The *photo-remediation* process involves the use of a high-energy electron beam impinged on a target which in turn produces a monochromatic gamma radiation that is tuned to induce *photo-fission* and *photo-neutron* reactions in the target material causing rapid neutralization of radioactive isotopes. The efficiency claimed exceeds 500% due to the high cross-section reactions in the giant dipole resonance region. The 10 million electron-volt (MeV) electron beam produces typical fission reactions in the 200 MeV range – effectively turning high-level solid wastes such as spent nuclear fuel into an energy source.

Photo-remediation offers several advantages: No need for extensive chemical pre-processing and the energy required to effect transmutation is greatly reduced. No new technology needs to be developed, yet the engineering of such a photon reactor must be completed, and it could itself become a practical method for generating power.

Implosion Machine can Annihilate High-Level Nuclear Waste

The implosion machine is an electric arc welder which is modified to duplicate nature's ball lightning. The circuit makes and then breaks a pure direct electrical current flowing between two electrodes. The electromagnetic energy field around the current completely collapses which causes an implosion. An object held between the two electrodes disappears in a manner similar to quasars or black holes swallowing matter. Imploded matter is possibly converted into 'dark matter' which is not of the elements as we know them. It appears that the higher the level of nuclear waste, the less energy it takes to implode or neutralize the material, and a higher audible sound pitch is observed.

The two photos show a Brown's gas system focusing the flame on the radioactive material, with a critically controlled DC pulse to trigger implosion.



Refresher-Regenerator

A 'refresher-regenerator' reverses the order-to-disorder arrow in the second law of thermodynamics within a controllable radius. It could reverse all radioactive isotopes to relatively safe uranium in situ in twelve days of machine time. Positive side effects of the \$70 million or less machine's operation would be reverse aging adults to young adulthood, backing diseases out of existence, reversing all decay and pollution, providing a new means of food preservation, and disarmament in the active footprint of the machine.

The refresher-regenerator capitalizes on a new Grand Unification Theory (GUT) employing the Electrino Fusion Model of Elementary Particles and the Electrino Hypothesis that fractons come in $\pm e$, $\pm e/2$, $\pm e/4$, and $\pm e/8$ – not in $\pm 2e/3$ and $\pm e/3$ of the Quark Hypothesis. Unique to this theory is that electrinos can fuse, but every time they do so, they switch from matter to antimatter or vice versa. The Refresher-Regenerator fuses positrons (antimatter) into the core particles of protons and neutrons (matter) with positive order energy, reversing the order-to-disorder arrow in the second law of thermodynamics in the machine footprint to disorder-to-order direction. The control of the Refresher-Regenerator machine is through controlling the effective beam currents to the collision chamber of the positrons through the timed gating of beam peaks.

Entombment of the Fukushima Reactors

Use 3D/4D printing to build entombments of the Fukushima reactors and water pools/tanks in layers of hemp concrete, lead, and tungsten with a rounded edges hemp plastic exterior. Plant hemp and radiation-eating mushrooms identified by the Albert Einstein Institute.

The 'contour crafting' construction technique builds on large/huge mobile construction gantries with suspended 3D/4D printers that build/print around the areas that are radiating...the buildings and tanks. Printed encasement layers could include hempcrete – a hemp-based concrete that is the world's strongest building material. Hemp plastic is waterproof and 10x stronger than steel.

Method, System and Apparatus for Conditioning Electromagnetic Potentials, Fields and Waves to Treat and Alter Matter

This invention exploits the fact that all electromagnetic fields, potentials, and waves are composed of more fundamental electromagnetic structures.

To directly engineer spacetime and induce desired changes in matter – specifically the mass-energy of the body dielectric, in all parts and dynamics – the invention uses and applies these more fundamental electromagnetic structures, which constitute curvatures of spacetime capable of directly affecting and changing matter according to the exact pattern and dynamics of the internal structures.

Kervran Reactions

The very compelling evidence compiled by French Nobel candidate Dr. Louis Kervran has identified a wide range of nuclear transmutations in biological systems that have not been adequately explained.

Coherence of zero-point energy via Casimir effects within the *Somatid* particles identified by the Canadian Gaston Naessens is implicated as a possible cause. A wide variety of *in vitro* and *in vivo* reactions are believed to be possible as proven in nature and numerous experiments typically involving a reaction medium composed of a dielectric fluid such as water.

Highly radiation resistant microorganisms have been found thriving in the core of nuclear reactors indicating the possibility of microorganisms being capable of transmuting some bioactive nuclear wastes in the course of the normal metabolism of such organisms.

Geomelting of Radioactive Waste

'Geomelting' involves mixing nuclear waste with soil or other 'glass-formers' in large, lined metal tanks. The mix – 20 per cent waste and 80 per cent soil – is heated through two graphite electrodes at temperatures of up to 3,000 degrees C. The molten substance is then allowed to cool and forms a large glass block that is harder than concrete.

The process will enable nuclear waste to be stored safely for 200,000 years – longer than the radioactivity will last.

Geomelting has been tested successfully by the American government, which is building a \$53 million pilot plant in Washington state.

Wilhelm Reich's Oranur Effect Method can Denaturize Radiation Sources

Wilhelm Reich's 'oranur effect' method is based on his discovery that radiation sources could be denaturized (rendered less toxic) with a corresponding observation of variations in decay-rate 'constants'.

Unusual long-distance atmospheric, biological and geophysical effects from underground nuclear bomb tests and nuclear power plant accidents can only be explained by the existence of a radiation-irritated atmospheric/planetary energy continuum.

The life-energy field (also called 'cosmic ether' and 'orgone energy') surrounding radioactive material is an active agent in radioactive decay processes.

Peter Sturrock at Stanford has discovered variations in decay-rate processes matching the sunspot numbers. Reich made a similar discovery decades earlier – as a part of his discovery on oranur.