



INL Wins Two R&D 100 Awards

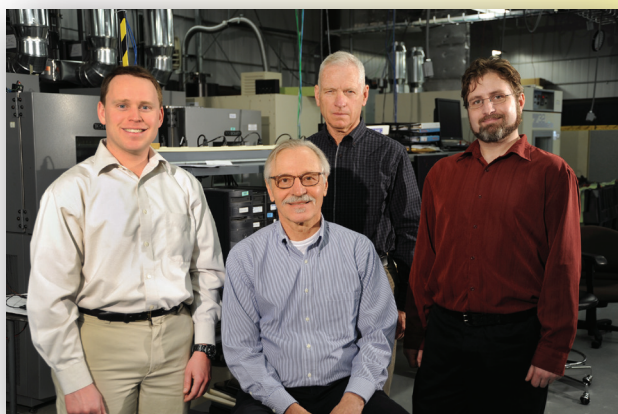
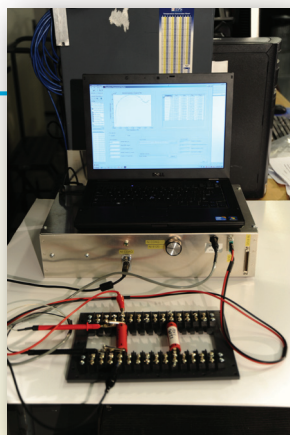
INL is honored to continue our legacy of being among those inventing the world's most impressive technologies selected during the annual R&D 100 international competition. This year INL researchers join a distinguished group of collaborators from academia and industry to win two more of these prestigious awards. Since 1986, researchers at INL have participated in 46 winning submissions.

Serving as the nation's leading center for nuclear energy research and development, INL also conducts significant research for DOE in alternative energy, national security, applied sciences and the environment. Battelle Energy Alliances manages INL as a subsidiary of Battelle Memorial Institute

Impedance Measurement Box (IMB)

Using proprietary algorithms and hardware, IMB can for the 'first time ever' directly measure in seconds the impedance spectra of energy storage devices (batteries), while they are operating, and deliver a highly accurate report on their health.

Although IMB evolved from the Idaho National Laboratory's participation in automotive battery research and development, the technique can be implemented across a very broad range of applications, including military, space, telecommunications, aeronautics, consumer electronics and more.



The IMB team is composed of INL electrical engineer Jon P. Christophersen; Chester G. Motloch, a retired INL researcher who now is President of Motloch Consulting, Inc.; John L. Morrison from Montana Tech of the University of Montana; and William H. Morrison from Connecticut-based Qualtech Systems, Inc.

Rad-Release Chemical Decontamination Technology

Rad-Release delivers an effective (up to 99%), affordable, patented two-part chemical-foam-clay decontamination process tailored to specific radiological and metal contaminants, which can be used on various substrates.

This breakthrough is simple and elegant in its concept for decontaminating buildings, equipment, and structures by removing even the most recalcitrant radioactive contaminants and dangerous metals from surfaces and underlying pores in porous materials.

The bulk of the contamination is removed with Part 1 – Chemical/Foam, in two easy steps. Additional decontamination, if necessary, can be accomplished with Part 2 – Clay, a two-step clay polishing process. Environmental Alternatives, Inc. has licensed Rad-Release.



Idaho National Laboratory team from left to right: Julia Tripp, Karen Wright, Laurence Hull, Dean Peterman, Craig Cooper, and Rick Demmer.



Environmental Alternatives, Inc. team from left to right: Dan Crosby, Randy Martin, and Chris Norton.



Idaho National Laboratory

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