

# Kingston battery research and development



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### ISU trying to find ways to improve lithium-ion battery safety

An Iowa State University researcher is using a special tool to test the limits of lithium-ion batteries. Todd Kingston says the device called the accelerating rate calorimeter or ARC.

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### Kingston Research Group

The Kingston Research Group in the Department of Mechanical Engineering at Iowa State University is a diverse and vibrant team with primary research interests in energy storage, transport, and ...



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### NEWS - Kingston Research Group

Iowa State University is charging up to become a destination for academics and industry dealing in battery fabrication and testing, with new equipment opening doors for expanded study of the power source.

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## Iowa State University to establish battery fabrication, testing center

More and more students, ranging from their undergraduate to graduate education, are becoming increasingly interested in battery technology, Kingston said, and he hopes the center and its toys will aid in ...

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## Iowa State University to establish battery fabrication, testing center

This allows ISU to conduct research and testing that cannot be done elsewhere due to safety hazards. Joined by other ISU researchers and utilizing internal funding from the Office of the President, ...

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## ISU to establish battery fabrication, testing center

Both new and used battery cells can be tested with the equipment, Kingston said, allowing researchers to see how they respond under various conditions at different stages of wear.

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## Charred chunks in the blast box: reducing risk of battery fires



Kingston has several ongoing battery research projects supported by the Office of Naval Research that will benefit from the new instrument. He's also thinking about how the instrument can lead to new ...

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KINGSTON, R.I. - - For nearly 20 years, Brett Lucht has researched numerous improvements to lithium-ion batteries, exploring ways to extend the batteries' calendar life and improve general performance.

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