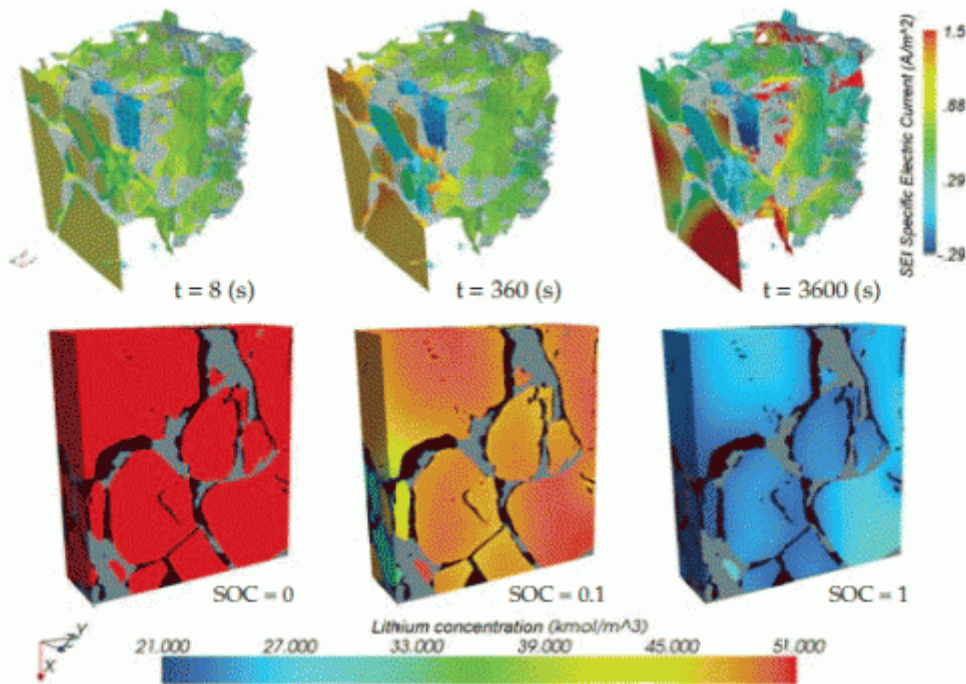




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CD-adapco Recognized for Groundbreaking Work on Porous Electrodes within Lithium Ion Battery



CD-adapco receives a top award at Solid State Electrochemistry Workshop 2013.

New York and London. August 13, 2013

CD-adapco, the largest privately held CFD focused provider of Computer Aided Engineering software, announced today that their work [1] studying the electrochemistry of a resolve porous electrode within a lithium ion battery received a top award at this year's Solid State Electrochemistry Workshop 2013 held at Heidelberg University. The workshop addresses, in a synergistic manner, mathematical modeling and numerical methods in electrochemical systems as well as latest advances in experimental techniques and relevant materials. The CD-adapco study highlighted the use of finite volume methods to simulate the electrochemical behavior of a previously reconstructed porous electrode geometry. This work used CD-adapco's flagship computer aided engineering product, STAR-CCM+.

Bob Spotnitz, co-author of the work and President of Battery Design LLC, commented, "The detailed study of porous electrodes is a rapidly growing area and to be acknowledged within this group is very positive." He added, "The tool set we have created with CD-adapco makes this possible for the average electrochemist." Gaetan Damblanc, Battery Application Specialist at CD-adapco added, "We believe this work is at the sharp end of modern simulation technology and will provide greater insight in to the design of next generation electrodes."

The full study can be seen at http://www.cd-adapco.com/technical_document/3d-micro-structural-electrochemistry-model

[1].

Industries:

Batteries [2]

CD-adapco Recognized for Groundbreaking Work on Porous Electrodes within Lithium Ion Battery [3]

About CD-adapco

CD-adapco (<http://www.cd-adapco.com> [4]) is the world's largest privately held CFD focused CAE provider. Our core products are the technology-leading simulation packages, STAR-CCM+ and STAR-CD. The scope of our activities, however, extends well beyond CFD software development to encompass a wide range of CAE engineering services in fluid dynamics, heat transfer and structural engineering. Our ongoing mission is to "inspire innovation and reduce costs through the application of engineering simulation software and services."

A privately owned company, CD-adapco has maintained 17% organic year-on-year growth over the last 5 years. CD-adapco employs 750 talented individuals, working at 30 different offices across the globe.

Press Contact:

Lauren Gautier, CD-adapco

lauren.gautier@cd-adapco.com [5]

+1 248 697 2900

Products:

STAR-CCM+® [6]

Physics [7]

Electrochemistry [8]

CD-adapco is the world's largest independent CFD focused provider of engineering simulation software, support and services. We have over 30 years of experience in delivering industrial strength engineering simulation.

Source URL: <http://www.cd-adapco.com/pr/cd-adapco-recognized-groundbreaking-work-porous-electrodes-within-lithium-ion-battery>

Links:

[1] http://www.cd-adapco.com/technical_document/3d-micro-structural-electrochemistry-model

[2] <http://www.cd-adapco.com/industries/batteries>

[3] <http://www.cd-adapco.com/pr/cd-adapco-recognized-for-groundbreaking-work-porous-electrodes-lithium-ion-battery>

[4] <http://www.cd-adapco.com>

[5] <mailto:lauren.gautier@cd-adapco.com>

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[7] <http://www.cd-adapco.com/products/physics>

[8] <http://www.cd-adapco.com/products/star-ccm%C2%AE/electrochemistry>