

The Detroit Section of the Electrochemical Society
Seminar Notice: Thursday, March 22, 2018

Material Advancements for Lithium-Ion Batteries, the Hype versus Reality

John Camardese, XALT Energy

Abstract: Many researchers at start-ups companies, academia, and in industry are focused on disruptive technologies for lithium-ion cells. While some materials have shown great promise for lithium-ion, complications to the manufacturing process, cost and limitations they place on cell usage have stalled some of these technologies. This seminar will discuss such disruptive technologies that have high promise for benefits to lithium-ion cells nearing or recently commercialized. The seminar will focus on the impact these technologies have on the cell development R&D, cell manufacturing, and system design.

Speaker Bio: John Camardese is a research scientist at XALT Energy. At XALT, John works in the cell development group on advancing XALT's lithium-ion cell technology which is used in transportation applications such as electric buses and ferries. John earned his BSc in chemistry from Lawrence Technological University (Southfield, MI) and completed his PhD in chemistry at Dalhousie University (Halifax, Nova Scotia, Canada) under the supervision of Jeff Dahn. While at Dalhousie he focused on the synthesis of gradient and core-shelled, NMC materials for lithium-ion batteries. John is a contributor on at least 12 peer-reviewed papers and has given and contributed to talks at Electrochemical Society and Material Research Society meetings. He was also award the Young Investigator award at the 2014 International Meeting on Lithium Batteries in Lake Como, Italy.

Location: Lawrence Technological University, 21000 West Ten Mile Road, Southfield, MI 48075
Building #5 (Taubman Welcome Center) 4th floor, Room 406 (see attached map)

Time: 5:30 pm Reception / 6:15 pm Dinner / 7:00 pm Speaker

Dinner Price: \$20 Members / \$10 for Students, Postdocs and Interns (Payment by cash or check)

RSVP: By Friday, March 16 to Dennis.A.Corrigan@comcast.net

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Building #5 (Taubman Welcome Center) 4th floor, Room 406
Park in lots A, B, or C

