

Seminar Topics

Practical On-site Sessions

- Slurry preparation
- Material handling
- Coating process
- Cell assembly
- Electrolyte filling
- Package sealing
- Formation process

Lectures

- Li-ion technology overview
- Active materials
- Mixing & coating machinery
- Roll-to-roll coating
- Cylindrical cells
- Next generation technologies

Location

Rochester Institute of Technology
156 Lomb Memorial Drive
Rochester, NY 14623

Dates

June 18 - 19, 2020

About the RIT Battery Prototyping Center

The RIT Battery Prototyping Center (BPC) is a university laboratory focused on prototyping next generation energy storage technologies (Li-ion, Li-metal, solid electrolyte, and ultracapacitors). The BPC features a 1000 ft² dry room with electrode fabrication and semi-automated cell fabrication equipment. The BPC provides fee-for-service work, and has the ability to go from powder to a product. For more information, visit: <http://www.rit.edu/batteries>.



For more information, visit us at
www.rit.edu/batteryseminar

Seminar Pricing

Registration.....\$2500

Academic Registration.....\$1250
(Full-Time Students only)

10% discount for 3+ group attendees
10% discount for NY-Best organization members

Contact us for the above discounts. The number of participants is limited.
To register, visit: www.rit.edu/batteryseminar/register

Pricing includes hard copy print out of all seminar presentations, lunch, refreshments and an invitation for a get-together and dinner. Booking is concluded after receiving confirmation.

Be a Sponsor

If you are interested in being a sponsor, please contact us.
Sponsorship includes logo on all promotional materials, display table and an opportunity to serve as an industry expert.

Cancellation of Registration

Written notice only will be accepted:

- 30 days prior to the seminar - 50% refund
- Less than 30 days - No refund

Remarks

In the event this seminar should be canceled due to force majeure or lack of participation, the seminar fee will be refunded. A claim for compensation for travel/accommodation cost is excluded.

Questions? Please contact:

Matthew J. Ganter, Ph.D.
Rochester Institute of Technology
156 Lomb Memorial Drive, Rochester, NY 14623
🌐 www.rit.edu/batteries ✉ mjgvr@rit.edu ☎ 585.475.4131

RIT

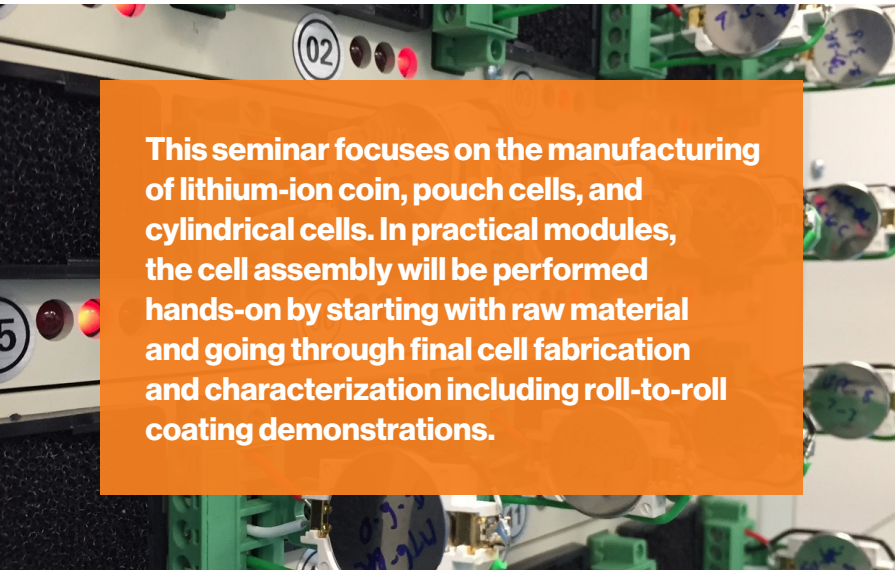


 **BATTERY**
PROTOTYPING CENTER

Shmuel De-Leon
Energy Ltd 

Li-ion Manufacturing Seminar (Theoretical + Practical)

Rochester Institute of Technology, NY, USA
06/18/2020 - 06/19/2020



This seminar focuses on the manufacturing of lithium-ion coin, pouch cells, and cylindrical cells. In practical modules, the cell assembly will be performed hands-on by starting with raw material and going through final cell fabrication and characterization including roll-to-roll coating demonstrations.

The corresponding lecture program gives insights in the latest coin & pouch cells technology trends on material, machinery and processing side. This seminar takes place at the Rochester Institute of Technology & Battery Prototyping Center in Rochester, NY, USA.

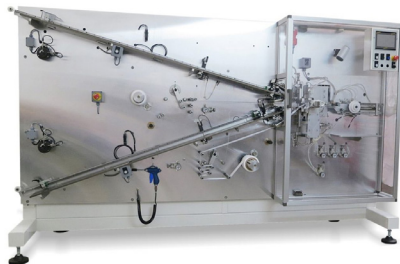
Key Benefits

The seminar provides:

- Practical training for industry, new tech startups, and university researchers
- Theoretical & practical sessions to learn about all lithium-ion cell production steps
- Direct insight into a state of the art lithium ion cell production line
- Supporting lectures with practical sessions technology, processes and machinery
- Updates on latest technology trends in lithium ion batteries
- Attendants will build Li-ion pouch and cylindrical cells in the production line

New Equipment

- Roll-to-roll
- Cylindrical
- Slitting
- Calendering
- Mixing



Day 1 - June 18th

8:00-9:00 am	Registration, Breakfast, and Networking Rochester Institute of Technology
9:00-9:15 am	Welcome and Opening Remarks Dr. Ryne Raffaelle (RIT, Vice President of Research)
9:00-9:15 am	Speaker Introduction Shmuel De-Leon (CEO Shmuel De-Leon Energy Ltd) Dr. Matthew Ganter (RIT Battery Prototyping Center)
9:15-10:15 am	Battery Essentials (General Battery Overview) Shmuel De-Leon (CEO Shmuel De-Leon Energy Ltd)
10:30-11:15 am	Lithium-ion Materials and Electrode Design Dr. Matthew Ganter (RIT Battery Prototyping Center)
11:15-12:00 pm	Certification and Testing of Batteries TBD Industry Expert
12:00-1:00 pm	Lunch in Conference Area
1:00-1:45 pm	Solid-State and Next Generation Technologies TBD Industry Expert
1:45-2:15 pm	Quality Control, Cell Design, and Laboratory Safety Dr. Matthew Ganter (RIT Battery Prototyping Center)
2:30-5:30 pm	Tours of: • Dry Room and Equipment • AMPrint Center, Testing Calculations, and Coin Cells
6:45 pm	Dinner Out in Rochester

Day 2 - June 19th

8:00-9:00 am	Continental Breakfast, and Networking Rochester Institute of Technology
9:00-10:30 am	Battery Safety Shmuel De-Leon (CEO Shmuel De-Leon Energy Ltd)
10:45-11:15 am	Li-ion Global Industry Overview and Forecasts TBD Industry Expert
11:15-12:15 pm	Lithium-ion Slurry Mixing Techniques and Equipment TBD Industry Expert
12:15-1:15 pm	Lunch in Conference Area
1:15-2:15 pm	Industrial Roll-to-Roll Coating Equipment and Techniques TBD Industry Expert
2:15-2:45 pm	Lithium Ion Manufacturing Equipment from Pilot to Production TBD Industry Expert
3:00-5:30 pm	<ul style="list-style-type: none"> • Slurry Mixing, Electrode Coating, and Slitting • Pouch and Cylindrical Cell Fabrication on SoLith Equipment
5:30 pm	Conference Ends

A Special Thanks to Our Sponsors:

FRONTIER
A Delta ModTech Company

BUHLER

SOLITH
EQUIPMENT FOR LITHIUM BATTERIES

