



## websites of note

by Zoltan Nagy

### The 2000 Nobel Prize in Chemistry

Alan Heeger, Alan G. MacDiarmid, and Hideki Shirakawa were the awardees “for the discovery and development of conducting polymers.” The site contains details of the award ceremony, the Nobel lectures, and details about the biography and accomplishments of the awardees.

- [http://www.nobelprize.org/nobel\\_prizes/chemistry/laureates/2000/](http://www.nobelprize.org/nobel_prizes/chemistry/laureates/2000/)

### Conducting Polymers

A very detailed treatment of conducting polymers. Including electron-conducting, proton-conducting, and ion-conducting polymers. The theory and mechanism of conduction, and some practical uses. It treats in detail more than ten different conducting polymers, providing their molecular structures and their reactions.

- J. Steinke, Imperial College, London
- <http://www.ch.ic.ac.uk/local/organic/tutorial/steinke/4yrPolyConduct2003.pdf>

### Application Guide for Aluminum Electrolytic Capacitors

The site contains detailed description of production techniques of electrolytic capacitors, comparison to other types of capacitors, their electrical characteristics, and instructions for their correct and safe usage techniques. In spite of the dominance of printed circuit boards, these “old-fashioned” capacitors still have many uses and applications today.

- Cornell Dubilier, Liberty, SC
- <http://electrochem.cwru.edu/encycl/misc/c04-appguide.pdf>

### Ion-selective Electrode Measurements, A Beginner’s Guide

Basic information on ISEs. Including: basic theory of ISE measurements; types of ion selective electrodes; reference electrodes; problems with ISE measurements; calibration theory; calibration practice; measuring procedures; methods of analysis; types of measuring devices and data processing; recent developments; recent research into corrections for interfering ions; and Internet links and bibliography.

- C. C. Rundle, Nico2000, London
- <http://www.nico2000.net/Book/Guide1.html>

### About the Author

**ZOLTAN NAGY** is a semi-retired electrochemist. After 15 years in a variety of electrochemical industrial research, he spent 30 years at Argonne National Laboratory carrying out research on electrode kinetics and surface electrochemistry. Presently he is at the Chemistry Department of the University of North Carolina at Chapel Hill. He welcomes suggestions for entries; send them to [nagy@email.unc.edu](mailto:nagy@email.unc.edu).

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ON • Canada  
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223<sup>rd</sup> ECS Meeting

### Annual Society Luncheon and Business Meeting

The Annual Society Luncheon and Business Meeting will take place on Tuesday, May 14, starting at 1215h. The President, Secretary, and the Treasurer will give brief reports on the current state of the Society, and the Student Poster Award presentation will take

place at this annual business luncheon. All members and meeting attendees are welcome to participate in this event. Tickets are \$27.00 by Early-Bird deadline, and \$32.00 onsite. See page 17 more information about the Toronto meeting, including how to register.