Electrochemical Impedance Spectroscopy

Electrochemical impedance spectroscopy is presented as a transfer-function technique that is applied to electrochemical systems. Examples are provided that show the unique capability of the technique to provide valuable information that may otherwise be difficult or impossible to obtain. Unlike chemical spectroscopies for which interpretation may make use of libraries, detailed interpretation requires system-specific models. The applications described include identification of adsorbed intermediates, determination of small corrosion rates of cast iron pipes in French drinking water distribution networks, and determination of oxide film thickness. A systematic way to build impedance models will be presented.

4-5PM (MDT) | Zoom
Meeting ID: 991 3991 8394
Passcode: 4W3tYY

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