

Columbia University in the City of New York | New York, N.Y. 10027

DEPARTMENT OF CHEMICAL ENGINEERING &
APPLIED CHEMISTRY

Terrace Building

SEMINAR

DR. R. HEYROVSKA

will discuss

A UNIFIED INTERPRETATION OF PROPERTIES OF DILUTE
AND CONCENTRATED ELECTROLYTES WITHOUT ACTIVITY COEFFICIENTS

Thursday
October 25, 1984
2:30 PM
373 Engineering Terrace

The non-ideal properties of dilute as well as concentrated electrolytes are explained in terms of solvation and association/dissociation of solutes. The concentration dependences of osmotic pressure, equivalent conductivity, coefficients of diffusion and viscosity and of EMF of concentration cells are described by simple quantitative relations without arbitrary parameters. As a consequence, representation of non-ideality by activity coefficients is not necessary.