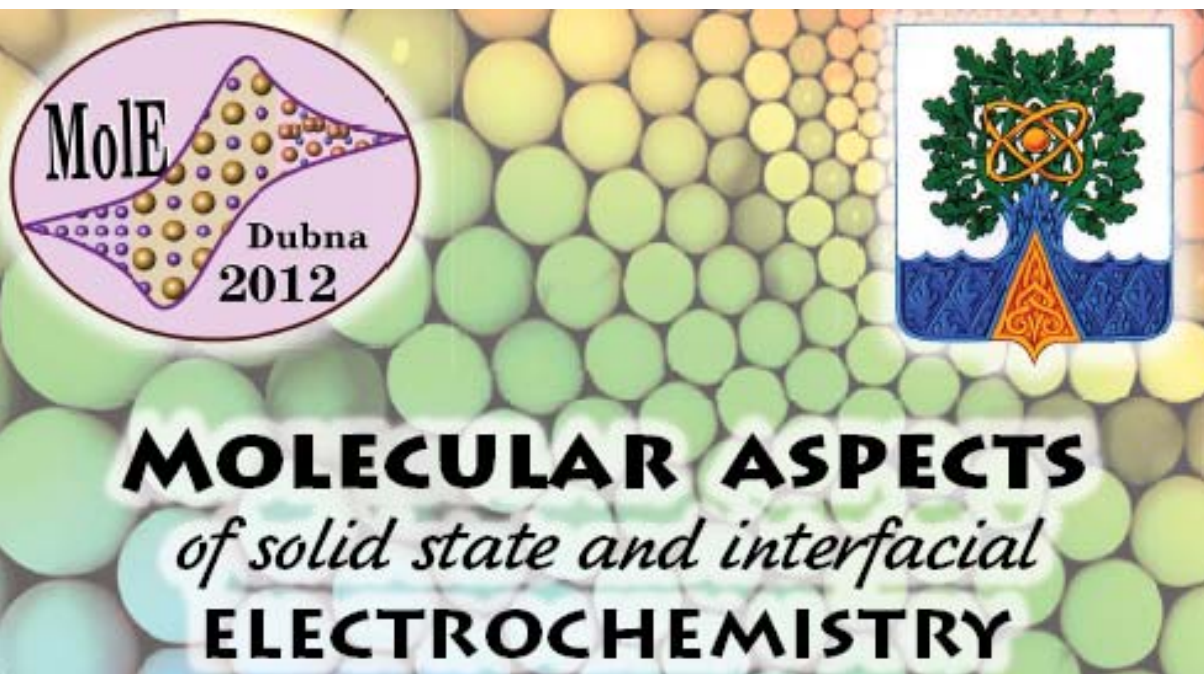


«Молекулярные аспекты твердого состояния и пограничной электрохимии» (перевела, как могла).

из письма журналистки

What is «solid state and interfacial electrochemistry»?

Introduction to poster session



P1, P6

**Solid state chemistry
and physics**

P2 - P5, P7, P9, P12

Electrode
(electronic or mixed conductor) P13, P15-P17

Interface P24 P20, P21, P23

Electrolyte
(ionic conductor)

solid		liquid
P8, P10	P18!	P19
P11, P14		

“Soft matter”
(e.g. polymers)

Classification: phenomena

Electronic structure/transport

Ionic transport

**Electrode
(electronic or mixed conductor)**

Interface Adsorption * Electron Transfer

**Electrolyte
(ionic conductor)**

solid

liquid

coordination chemistry

Chemical kinetics/dynamics

chemical thermodynamics

solid state chemistry

condensed matter physics

surface science

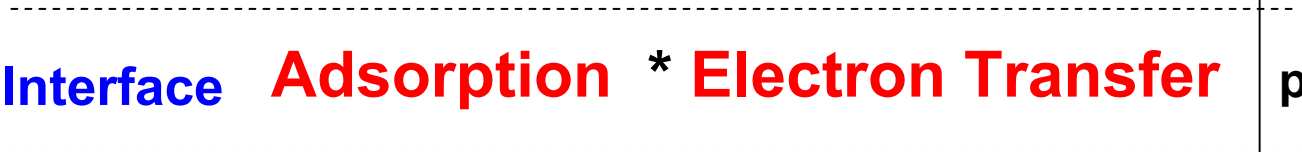
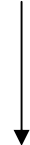
photochemistry

catalysis

Ionic transport

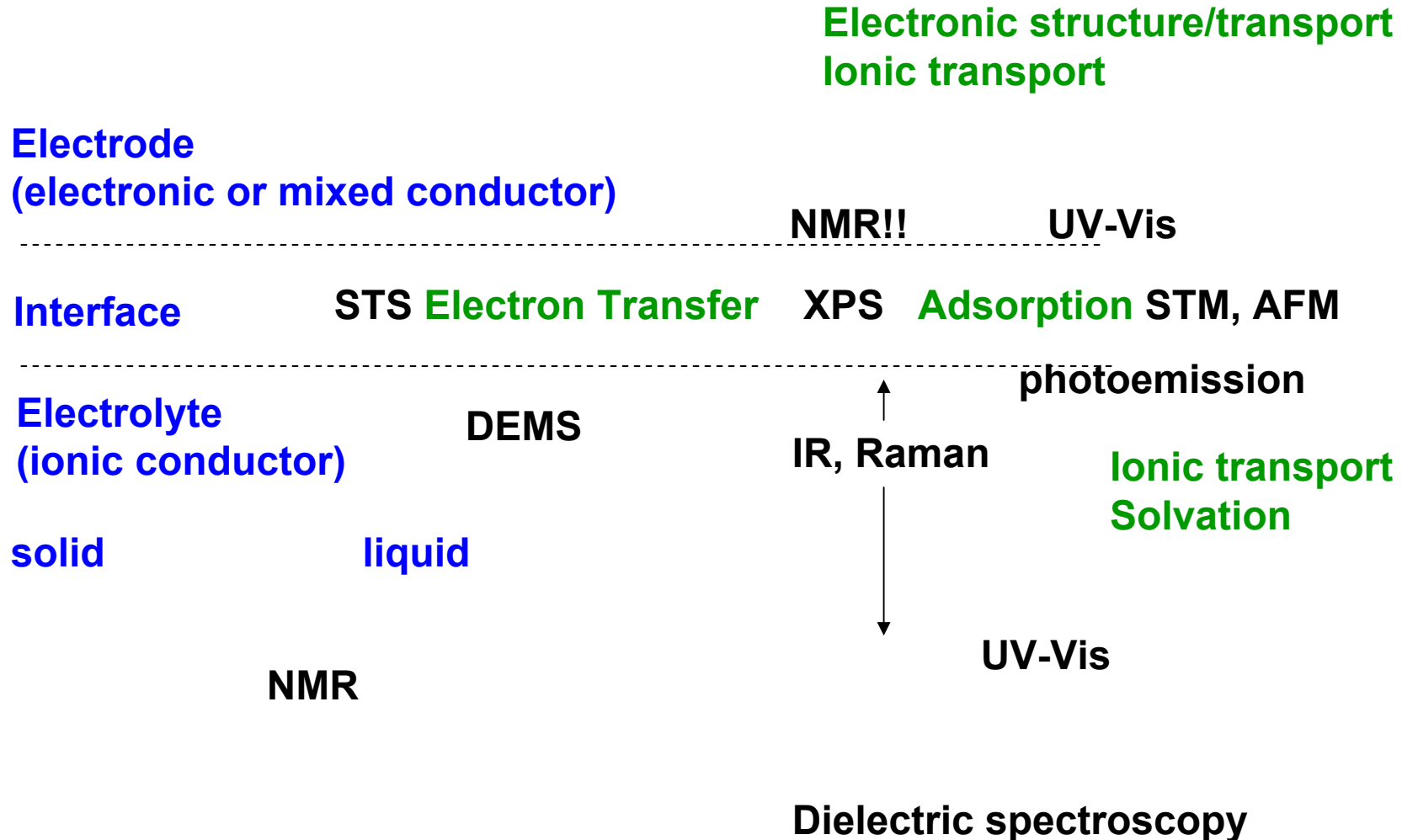
Solvation

hydrodynamics



Classification: techniques 1 (spectroscopy and microscopy)

X-ray and neutron related techniques



Classification: techniques 2 (electrochemical)

Current or potential transients Coulometry <----- Voltammetry

Electronic structure/transport
Ionic transport

intercalation

Electrode
(electronic or mixed conductor)

Impedance spectroscopy

Interface Electron Transfer Adsorption differential capacity

Electrolyte
(ionic conductor)

RDE, RRDE

Impedance spectroscopy

solid

liquid

conductivity measurements

electroanalysis

Ionic transport
Solvation

Be careful with terminology!



Charge transfer in polar medium = ?

- <http://www.elch.chem.msu.ru/mole/> will operate constantly,
- to answer your questions,
 - to recommend you scientific literature,
 - to inform you about electrochemical events.



Beer is very important for scientific discussion