Course announcement

Paradigm of Structure-Property Relationship

Adam Gadomski

Professor of Physics
University of Science & Technology,
Group of Modeling of Physicochemical Processes,
Institute of Mathematics & Physics, al. S. Kaliskiego 7/421,
PL-85796 Bydgoszcz

POLITECHNIKA BYDGOSKA
Wydział Technologii i Inżynierii Chemicznej

Hours 8

ABSTRACT

PART I>> "Structure-Property Relationship over Many Physical Scales: (Non)Equilibrium Structures, with a Spherulitic Example" -

PART II>> "Structure-Property Relationship over Many Physical Scales: Surfaces-Involving Phenomena as Exemplified by Friction-Adhesion and Lubrication/Wear Phenomena"

OBJECTIVES
PART I: to uncover (poly)crystalline (micro-)structures formed in nonequilibrium thermodynamic-kinetic conditions, termed spherulites/cylindrolites, ranging from macroscale to nanoscale (soft spherulites, and non-Kossel crystals).

PART II: to unveil the versatile friction modes from macroscale (Coulomb-Amontons law) over a mesoscale (a dissipative dynamical system) until the nanoscale (random walk and fractons-involving approach).

✉ Register by sending email to:
agad@pbs.edu.pl and (in cc) erasmus.ingegneria@unich.it
For those not at University of Chieti-Pescara it is possible to follow the short course online: https://teams.microsoft.com/l/meetup-join/19%3ameeting_OTI2Yzk2NWEtNjgxNS00OGJlLWFmODgtOTYyOTI1MjRjODgx%40thread.v2/0?context=%7b%22Tid%22%3a%2241f8b7d0-9a21-415c-9c69-a67984f3d0de%22%2c%22Oid%22%3a%22013953d8-2a17-4e00-9c48-fbfc504107ae%22%7d

TIMETABLE				
TUESDAY	26th September 2023	9.00	12.15	Aula M3
TUESDAY	26th September 2023	15.00	16.15	Aula M3
WEDNESDAY	27th September 2023	9.00	11.00	Aula del Consiglio