



GTIDEA

Journal Club

Wednesday November 5, 2025 | 14.00

The Count István Tisza Foundation for the University of Debrecen (GTIDEA)
and the Scientific and Social Advisory Board of the Board of Trustees' Chair
invites you to the

13th GTIDEA Journal Club

hosted by Dr. Péter Nagy, chair of the Scientific and Social Advisory Board

The event is chaired by Prof. András Hajdu,
member of the „Science, Architecture, Mobility, Engineering and IT” Working
Group, Scientific and Social Advisory Board, dean of the Faculty of Informatics

Classical and quantum light-induced non-adiabaticity in molecular systems.
presented by Dr. Ágnes Vibók, Faculty of Science and Technology, Institute of Physics, Department of
Theoretical Physics

**A two-step machine learning approach to statistical post-processing of weather forecasts for power
generation.**
presented by Dr. Ágnes Éva Baran, Faculty of Informatics, Department of Applied Mathematics and
Probability Theory

**Role of the volume-specific surface area in heat transfer objects: A critical thinking-based
investigation of Newton's law of cooling.**
presented by Dr. István Árpád, Faculty of Engineering, Department of Mechanical Engineering

**Thermal analysis of aerogels and their vacuum-formed forms, their potential uses, and their effects
on the environment.**
presented by Dr. Ákos Lakatos, Faculty of Engineering, Department of Building Services and Building
Engineering

Number of solutions to a special type of unit equations in two unknowns.
presented by Dr. István Pink, Faculty of Science and Technology, Institute of Mathematics

**Direct Injection Electrospray Ionization Mass Spectrometry (ESI-MS) Analysis of Proteins with High
Matrix Content: Utilizing Taylor-Aris Dispersion.**
presented by Dr. Attila Gáspár, Faculty of Science and Technology, Institute of Chemistry, Department
of Inorganic and Analytical Chemistry

If you are interested in the highlighted research topics of the University of Debrecen,
please read the above papers and come along to enjoy lively discussions, tea and snacks!
Please register in advance for this meeting at regisztracio.unideb.hu