

General Program

Tuesday, August 23

10.00–10.10	Opening ceremony (Aula Magna, 2nd floor)
10.10–11.00	Session (Aula Magna, 2nd floor)
11.00–11.30	Coffee break
11.30–12.30	Session (T. Popoviciu room, 1st floor)
13.00–14.30	Lunch (University Restaurant)
15.00–17.00	Scientific session (T. Popoviciu room, 1st floor)
17.00–17.30	Coffee break
17.30–19.00	Session (T. Popoviciu room, 1st floor)
19.30	Welcome reception (University Restaurant)

Wednesday, August 24

9.00–11.00	Session (T. Popoviciu room, 1st floor)
11.00–11.30	Coffee break
11.30–12.30	Session (T. Popoviciu room, 1st floor)
13.00–14.00	Lunch (University Restaurant)
15.00–16.30	Session (T. Popoviciu room, 1st floor)
16.30–17.00	Coffee break
17.00–18.30	Session (T. Popoviciu room, 1st floor)
18.30–19.00	Coffee break
19.00–20.00	Session (T. Popoviciu room, 1st floor)
20.00	Dinner (University Restaurant)

Thursday, August 25

9.00–11.00	Session (T. Popoviciu room, 1st floor)
11.00–11.30	Coffee break
11.30–12.30	Session
13.00–14.00	Lunch (University Restaurant)
15.00–16.30	Session (T. Popoviciu room, 1st floor)
16.30–17.00	Coffee break
17.00–18.30	Session (T. Popoviciu room, 1st floor)
18.30–19.10	Concert (University Club)
19.30	Banquet (University Restaurant)

Friday, August 26

9.00–18.00	Excursion
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Detailed Program

All afternoon talks are scheduled for 30 minutes including discussions.

Tuesday, August 23

- 10.00 Opening ceremony
 Vice-rector **László Nagy**, Acad. **András Prékopa**
 Dean **Simion Simon**, Dean **Petru Blaga**
- 10.20 **Gy. Gaal**
 Gyula Farkas and the Franz Joseph University in Cluj/Kolozsvár
- 11.00 Coffee break
- Chairman: J. Kolumbán*
- 11.30–12.30 **A. Prékopa**
 Linear inequalities, Duality Theorem and their Financial Applications
- 13.00 Lunch (University Restaurant)
- Chairman: B. Vizvári*
- 15.30 **G. Kassay, J.B.G. Frenk**
 Lagrangian Duality and Cone Convexlike Functions
 C. Kao
 Linear Programming with Interval Parameters
 R. I. Boţ, G. Wanka
 A Weaker Regularity Condition for Subdifferential Calculus and Fenchel
 Duality in Infinite Dimensional Spaces
- 17.00 Coffee break
- Chairman: S. Németh*
- 17.30 **T. Illés**
 An Elementary and Constructive Proof of the Farkas Lemma
 Zs. Csizmadia, T. Illés, M. Nagy, T. Terlaki
 Linear Complementarity Problems, Sufficient Matrices and EP Theorem
 B. Filiz, Zs. Csizmadia, T. Illés
 A New Anti-degeneracy Method for Linear Feasibility Problems
- 19.30 Welcome reception

Wednesday, August 24

Chairman: S. Komlósi

- 9.00 **Z. Gábor, L. Nagy**
The Investigation of Gyula Farkas in the Field of Electrodynamics and Relativity Theory
- 10.00 **R.I. Boţ, G. Wanka**
Farkas-type Results with Conjugate Functions
- 11.00 Coffee break

Chairman: M. Mureşan

- 11.30–12.30 **B. Mordukhovich**
Generalized Differentiation in Variational Analyses with Applications to Optimization
- 13.00 Lunch

Chairman: G. Kassay

- 15.00 **S. Komlósi**
On Quasiconvex Farkas Theorems
- J. Kolumbán**
Alternative Inclusions
- R.I. Boţ, S.M. Grad, G. Wanka**
Conjugate Duality for Composed Convex Optimization Problems with a New Constraint Qualification
- 16.30 Coffee break

Chairman: F. Szenkovits

- 17.00 **A. Kuba**
Farkas' Lemma and Its Applications in Discrete Tomography
- B. Bánhelyi, T. Csendes, L. Hatvani, B. Garay**
A Computer-assisted Proof and Location of Chaos: the case of a Forced Damped Pendulum Equation
- Gy. Bánkuti, E. Stettner**
Computer Assisted Teaching of Operations Research at the University of Kaposvár
- 18.30 Coffee break

Chairman: Z. Kása

- 19.00 **J. Fülöp, S. Z. Németh**
Global Optimization Techniques for Stability Analyses of Decision Functions
- R. Oláh-Gál**
Gyula Farkas as a Bolyai Researcher
- 20.00 Dinner (University Restaurant)

Thursday, August 25

Chairman: G. Wanka

- 9.00 **F. Szenkovits**
Gyula Farkas and the Fourier Principle
- 10.00 **K. Martinás**
Thermodynamic Achievements of Gyula Farkas
- 11.00 Coffee break

Chairman: L. Nagy

- 11.30–12.30 **C. Zălinescu**
On the Maximization of (Not Necessarily) Convex Functions on Convex Sets
- 13.00 Lunch

Chairman: W. Breckner

- 15.00 **B. Vizvári**
A Little Theory for the Control of an Assembly Robot Using Farkas Theorem
- N. Popovici**
Lexicographic Quasiconvex Vector Optimization
- Z. Horváth**
Invariant Cones and Polyhedra for Dynamical Systems
- 16.30 Coffee break

Chairman: N. Popovici

- 17.00 **B. Farkas, Sz. Gy. Révész**
Potential Theory and Rendezvous Numbers
- M. Mureşan**
Controllability and Relaxation in Banach Spaces
- 18.30 Concert (Baroque Ensemble Transylvania – **István Nagy, Zoltán Majó,**
Erich Türk, Ciprian Câmpean)
- 19.30 Banquet

Friday, August 26

9.00–18.00 Excursion to **Turda Salt-mine** and **Rimetea (Torockó)**.