

SCHEDULE OF THE 20th SPIG

Sunday , September 3rd

arrival of guests, checkin at the hotel
14.00 - 21.00 REGISTRATION

Monday, September 4th

Hall A
9.00 - 9.30 OPENING CEREMONY

MORNING PLENARY SESSIONS (Hall A)
Chariman: N. Konjevi}
9.30 - 10.15 W. Lindinger
Trace Constituents Measured by on-line Proton-Transfer Reaction
Mass Spectrometry (PTR-MS)
10.15 - 10.45 Coffee break

Chairman: M. [kori}
10.45 - 11.30 S. J. Buckman
New Techniques for Electron Collisions Research
11.30 - 12.15 Z. Yoshida
Shear Flow Problems in Plasma Physics
12.15 - 13.00 T. Yamanaka
Experimental Research on Ultra-Intense Laser Plasma Interactions
at ILE Osaka

AFTERNOON PARALLEL SESSIONS

Hall A
Chairman: S. J. Buckman
15:45 - 16:30 L. Vu{kovi}
Collisions of Excited Atoms in Gas Discharges
16.30 - 17.00 R. Schuch
Electron -Ion Recombination at Very Low Energy
17.00 - 17.30 I. Stefanovi}
Oscillations and Constrictions of the Low Pressure Low Current
Discharges

17.30 Coffee break

Hall B
Chairman: M. Dimitrijevi}
16.30 - 17.00 S. Petrovi}
Theory of Rainbows in Thin Crystals
17.00 - 17.30 D. Jevremovi}
Balmer Lines in Stellar Flares

17.30 - Coffee break

17.30 - 19.30 EVENING POSTER SESSION
Section 1. ATOMIC COLLISION PROCESSES
POST-DEAD LINE PAPERS

19.30 - 20.30 WELCOME COCKTAIL

Tuesday, September 5th

MORNING PLENARY SESSIONS (Hall A)
Chairman: N.Bibi}
9.00 - 9.45 R. Smith
Classical Molecular Dynamics Calculations for Low Energy
Particle-Surface Interactions
9.45 - 10.30 P. Oelhafen
Plasma Assisted Deposition of Thin Films and In-Situ Characterization
with Photoelectron Spectroscopy

10.30 - 11.00 Coffee break

Chairman: Z.Petrovi}
11.00 - 11.45 K. Wieseaman
Investigations of Dielectric Barrier Discharges at Atmospheric Pressure
11.45 - 12.30 Z. Donko
Self - Consistent Hybrid Modeling of the Transition from the Townsend
Discharge to the Abnormal Glow

AFTERNOON PARALLEL SESSIONS
Hall A
SPECIAL SESSION DEVOTED TO 40 YEARS OF SPIG
Chairperson: N. Konjevi}
15.30 - 16.30 Musical program: String quartet Belotti
16.30 - 17.15 M. Kurepa and J. Labat
History of SPIG Meetings and Their Influence to Development of Physics
of Ionized Gases in Yugoslavia
17.15 - 17.30 Remembering the old SPIG meetings

17.30 Coffee break

17.30 - 19.30 EVENING POSTER SESSION
Section 3. LOW TEMPERATURE PLASMAS

Wednesday, September 6th

MORNING PLENARY SESSIONS (Hall A)
Chairman: M. Kono
9.00 - 9.45 P. Shukla
Complex Plasmas in Cosmic and Laboratory Environments
9.45 - 10.30 F. Pegoraro
Nonlinear Collisionless Magnetic Field Line Reconnection in Plasmas

10.30 - 11.00 Coffee break

Chairman: S. Djurovi}
11.00 - 11.45 G. Popa
Magnetron Discharge and Hysteresis Effect
11.45 - 12.30 M. Pejovi}
Electrical Breakdown Time Delay in Gases at Low Pressures
12.30 -13.00 L. Simonchik
Investigations of the Self-Sustained Glow Discharge in Helium at
Atmospheric Pressure
14.00 - 19.30 EXCURSION

Thursday, September 7th

MORNING PLENARY SESSIONS (Hall A)
Chairman: N. Nedeljkovi}
9.00 - 9.45 P. Kova~
Analysis of Materials by Ion Beams
9.45 - 10.30 R. Schuch
Scattering of Highly Charged Ions from Solid Surfaces
10.30 - 11.00 Coffee break
Chairman: T.Grozdanov
11.00 - 11.45 R. McCarroll
Resonant Dominated Photodissociation and Photoionization
11.45 - 12.30 D. Filipovi}
Completing of Electron - Atom Scattering Picture for Argon and the
Rare Gases
12.30- 13.15 M. Amusia
Many-Electron Correlations in photon and Electron Interaction with
Atomic Particles
AFTERNOON PARALLEL SESSIONS
Hall A
Chairman: M. Radovi}
16.00 - 16.30 D. Marku{ev
Intra and Intermolecular Vibrational Energy Transfer in Different Gas
Mixtures
16.30 - 17.00 Z. Raspopovi}
Transport of Electrons in Crossed Electric and Magnetic RF Fields
17.00 - 17.30 S. Buckmann
Regularities in Low Energy Electron-Molecule Scattering
17.30 Coffee break

17.30 - 19.30 EVENING POSTER SESSION
Section 2. PARTICLE AND LASER BEAM INTERACTION WITH
SOLIDS
Section 4. GENERAL PLASMAS
20.00 CONFERENCE DINNER

Friday, September 8th

MORNING PLENARY SESSIONS (Hall A)
Chairman: B. Marinkovi}
9.00 - 9.45 Z. Mi{kovi}
Interaction of Fast Clusters with Solids
9.45 - 10.30 15 O. Shpenik
Elementary Processes and Phenomena Stimulated by Slow Electron
Collisions
10.30 - 11.00 Coffee break
Chairman: D. Jovanovi}
11.00 - 11.45 R. Horiuchi
Kinetic Theory of Collisionless Driven Reconnection
11.45 - 12.30 E. Mediavilla
2D Spectroscopic Studies of the Ionized Gas in the Central Region
of Galaxies
12.30-13.15 M. Dimitrijevi}
Stark Broadening in Astrophysics
13.15 CLOSING CEREMONY