SUMMARY OF PRESENTATIONS PERTAINING TO LABORATORY PLASMAS

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Modern Challenges in Nonlinear Plasma Physics
Conference Honoring the Career of Dennis Papadopoulos
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Halkidiki, Greece
APPRECIATION AND GRATITUDE

- A. Anastasiadis
- I. Chatziantonaki
- I. Daglis
- T. Pisokas
- H. Isliker
- C. Tsironis
- D. Vassiliadis
- L. Vlahos
- D. Papadopoulos
STATISTICAL APPROACHES

R. Dendy:
Issues at the interface of space and fusion plasmas

- I. Roth
- S. Chapman
- S. Sharma
- G. Balasis

Th. Pisokas: ITG driven turbulence
STATISTICAL APPROACHES

- I. Sandberg:
  Universal statistical properties of edge transport.

- H. Isliker:
  SOC for magnetic field in fusion devices.
THE BUILDING BLOCKS OF NONLINEAR PLASMAS

- J. Pickett: Electrostatic solitary waves
- J. Samson: High-\(\beta\) plasma disruptions
POSTERS RELEVANT TO LABORATORY PLASMAS

- C. Tsironis:
  Quasilinear versus nonlinear modelling of EC wave scattering by edge turbulence.

- J. Cook:
  Particle-in-cell simulations of ion cyclotron emissions.
P. Bernhardt: Excitation of low frequency electrostatic waves.

G. Ganguli: Evolution of whistler turbulence.

M. Lampe: Whistler triggering associated with a discontinuity.
MAGNETIC RECONNECTION

Laboratory Experiments:
W. Gekelman: Plasma current systems of flux ropes and Alfven waves

Computer Simulations:
- H. Karimabadi
- J. Huba

Theory/Simulations:
- E. Priest: Nonlinear plasma physics
- J. Drake: Particle acceleration
The Greek Re-Connection
Gene as Dennis
Leonard as Eric Priest
Car chases

particle accelerations

by

Jim Drake
Dripping with suspense

Story line
by
J. Huba

\[ B \times \nabla n \]

\[ B \times \nabla n \]
Pinches off here to form a plasmoid-ring

Plasmoid-rope

Vibrant aliens
Underground weapons plant

Dr. Gekelman
Chorus directed by Y. Omura
Music by

P. Bernhardt
shooting down
any misconceived ideas
The Greek Re-Connection
produced by
Dennis Papadopoulos