

Norman Rostoker Memorial Symposium

August 24 & 25, 2015

Fairmont Newport Beach Hotel

Monday, August 24

8:30am Opening - Ken Janda

First Session**"Remembrances"****Bay Laurel North**

9:00 - 9:30am Setsuo Ichimaru (Univ. of Tokyo) "Norman Rostoker and strongly correlated plasmas"

9:30 - 10:00am Thomas O'Neil (UCSD) "Experiments with trapped nonneutral plasmas"

10:00 - 10:30am Bruno Coppi (MIT) "Relevance of advanced nuclear fusion research: breakthroughs and obstructions"

10:30 - 10:45am Review (15 minutes)

10:45am Coffee Break - Bay Laurel South

11:00 - 11:45am Russell Kulsrud / Masaaki Yamada (Princeton) "Study of magnetic reconnection and merging of compact toroid plasmas"

11:45am - 12:15pm Toshiki Tajima (UCI) "How robust is the high-energy beam and plasma interaction"?

12:15 - 12:45pm Review (15 minutes)

12:45 - 1:45pm Lunch - Bay Laurel South**Second Session****"Vision of Norman and it's Realization" - Bay Laurel North**

1:45 - 2:15pm Herbert Berk (UT Austin) "Spontaneous frequency chirping in plasmas"

2:15 - 2:45pm Yasushi Ono (Univ. of Tokyo) "High power heating of magnetic reconnection in toroidal plasma merging experiments: TS-3, TS-4, UTST, and MAST"

2:45 - 3:00pm Review (15 minutes)

3:00 - 3:45pm Coffee Break & Photo Session - Bay Laurel South

3:45 - 4:15pm Jon Menard (Princeton) "Confinement and stability discoveries from high-beta spherical tori"

4:15 - 4:45pm Lothar Schmitz (UCLA) "Suppression of ion turbulence in FRC"

4:45 - 5:15pm Michl Binderbauer (TAE) "Recent breakthroughs of C-2U: Norman's Legacy"

5:15 - 5:30pm Review (15 minutes)

5:30 - 7:00pm Reception - Bay Laurel South**7:00 - 9:00pm Banquet - Bay Laurel Central Ballroom**

Arno Penzias (NEA)	"Fusion - then and now"
Andrey Prokopenko (Budker)	"Old episodes"
Chuck Roberson (ONR)	"Travels with Norman"

Tuesday, August 25**Third Session****"Applications and broad impacts" - Bay Laurel North**

9:00 - 9:30am	Frederick Mako (FMTech)	"Novel particle, radiation sources, and materials interaction"
9:30 - 10:00am	Stanislav Sinitski (Budker)	"High current electron-plasma interaction"
10:00 - 10:30am	Farhad Daghighian (IntraMed)	"Interventional nuclear medicine"
10:30 - 10:45am	Review (15 minutes)	

10:45am**Coffee Break - Bay Laurel South**

11:00 - 11:30am	James Koga (JAEA)	"Laser wakefield accelerated electron beam monitoring and control"
11:30am - 12:15pm	Richard Lovelace/ Marina Romanova (Cornell)	"Rossby wave instability, vortices, and planet formation in magnetized accretion discs; Accretion, outflows, and jets from disc accretion, rotating, magnetized discs"

12:15 - 1:30pm**Lunch - Bay Laurel South****Fourth Session****"Deep science and liaison with others" - Bay Laurel North**

1:30 - 2:00pm	Katherine Mackey (UCI)	"Global change and the Earth System: Exploring causes, consequences, and solutions"
2:00 - 2:30pm	Sukekatsu Ushioda (NIMS)	"Memories of Norman Rostoker and Physics Department in the 1970-80's"
2:30 - 3:00pm	Hafiz Rahman (MIFT)	"Fusion in a staged Z-pinch"
3:00 - 3:15pm	Review (15 minutes)	

3:15pm**Coffee Break - Bay Laurel South**

3:30 - 4:00pm	Dmitri Ryutov (LLNL)	"Divertors of linear systems"
4:00 - 4:30pm	Sergei Putvinski (TAE)	"Aneutronic fusion"
4:30 - 4:45pm	Review (15 minutes)	

4:45 - 5:15pm**Closing**