



Symposium in Honor of Distinguished Professor Emeritus Christopher Russell

UCLA
Physics & Astronomy Building Building 1425 Auditorium
and
Fowler Museum

September 20, 2024

Symposium Website: <https://www.space.ucla.edu/russell2024>

This page has the most updated information of the symposium program.

Remote participation via [Zoom](#)

Meeting ID: 999 0176 1559

Passcode: 932216

*Program
(last updated 9/18/2024)*

Presentations and Panel Discussions

Physics & Astronomy Building 1425
Auditorium



All listed times are in Pacific Time.

8:30 – 9:20 AM

Welcome and Opening Remarks

CHAIRS: Peter Chi, Hanying Wei, Hao Cao (UCLA)

Time	Topic	Presenter
08:30 – 08:33	Logistics Information	Peter Chi, Hao Cao, and Hanying Wei (UCLA)
08:33 – 08:43	UCLA Division of Physical Sciences Welcome	Miguel Garcia-Garibay (UCLA)
08:43 – 08:50	UCLA EPSS Welcome	Ed Young (UCLA)
08:50 – 08:55	NASA SMD Remark	Nicky Fox (NASA)
08:55 – 09:05	Opening Remark	Margaret Kivelson (UCLA)
09:05 – 09:15	Opening Remark	Janet Luhmann (UC Berkeley)
09:15 – 09:20	Opening Remark	Carol Raymond (JPL)

9:20 – 10:20 AM

Dawn Mission

CHAIRS: Jennifer Scully (JPL), Britney Schmidt (Cornell)

Time	Topic	Presenter
09:20 – 09:25	Introduction	Carol Raymond (JPL)
09:25 – 09:45	Where Are They Now? Lessons Learned from being on Dawn and How it Contributed to our Careers	Jennifer Scully (JPL)
09:45 – 10:20	Dawn Panel	Britney Schmidt (Cornell, Chair) Carol Raymond (JPL) Julie Castillo-Rogez (JPL) Steve Joy (UCLA)

10:20 – 10:50 AM

Group Photo and Coffee Break

10:50 AM–12:00 PM	Heliophysics
-------------------	---------------------

CHAIRS: Elizabeth Jensen (PSI), Xiaoyan Zhou (UCLA), Paul Song (UML)

Time	Topic	Presenter
10:50 – 11:05	Collisionless Shock as a Self-organized System	Michael Gedalin (Ben-Gurion University)
11:05 – 11:20	ULF Waves and Interplanetary Shocks	Xochitl Blanco-Cano (UNAM)
11:20 – 11:35	From Halloween storms to ELFIN-L measurements	Yuri Shprits (GFZ)
11:35 – 12:00	Heliophysics Panel	Elizabeth Jensen (PSI, Chair) Xochitl Blanco-Cano (UNAM) Katariina Nykiri (NASA GSFC) Patricia Reiff (Reiff)

12:00 – 1:30 PM	Lunch (Free time to explore dining options on campus by yourself)
-----------------	---

1:30 – 3:00 PM	From Space Science to Everything
----------------	---

CHAIRS: Yingjuan Ma (UCLA), Steven Petrinec (Lockheed Martin), Guan Le (NASA GSFC)

Time	Topic	Presenter
13:30 – 13:45	Reflections on Remote Autonomous Magnetometer Stations	Bob Clauer (Virginia Tech)
13:45 – 14:00	Solar Wind Stream Interaction	Lan Jian (NASA GSFC)

Regions

14:00 – 14:15	Solar Wind Pressure Variations in the Foreshock	Nick Omidi (Solana Scientific)
14:15 – 14:30	Flux Transfer Events (FTEs) and Magnetic Reconnection at the Earth	Yi Qi (LASP, University of Colorado)
14:30 – 14:45	Learn to be a Real Scientist	Paul Song (UML)
14:45 – 15:00	Q&A	All presenters

3:00 – 3:20 PM	Coffee Break
----------------	---------------------

3:20 – 4:20 PM	UCLA SPACE Institute Panel <i>Space Exploration from Past to Future</i>
----------------	---

CHAIR: Jacob Bortnik (UCLA)

PANELISTS: Jim Burch (SwRI)
Jared Leisner (NASA)
Janet Luhmann (UC Berkeley)
Linda Spilker (JPL)

4:25 – 4:55 PM	A Discussion of Chris' Contributions to Space Science Education
----------------	--

CHAIR: David McComas (Princeton)

PARTICIPANTS Li-Jen Chen (NASA GSFC)
Bob Clauer (Virginia Tech)
Endawoke Yizengaw (Aerospace Corporation)
Peter Chi

Presentation of Russell Plaque

All Day (Outside the Auditorium)	Posters
-------------------------------------	----------------

CHAIR: Yingdong Jia (UCLA)

Topic

Presenter

Solar Wind Turbulence: Superposed-epoch Analysis of Corotating Interaction Regions

Yuliang Ding (UCLA)

Probing the Foreshock Wave Boundary With Single Spacecraft Techniques

Seth Dorfman (UCLA)

Solar wind-magnetosphere-ionosphere coupling and its impact on equatorial ionospheric electrodynamics during the March 2023 geomagnetic storm: Responses of field-Aligned currents and equatorial electrojet to sudden decrease of solar wind dynamic pressure

Guan Le (NASA GSFC)

An Overview of UCLA Ground-based Magnetometer Activities

Peter Chi (UCLA)

5:30 – 8:00 PM

Banquet

Fowler Museum
Goldenberg Terrace

5:30 – 6:00 PM Reception
6:00 – 8:00 PM Dinner

(For participants who have registered the banquet)



Participants (both in-person and virtual)

(Received from registration or Google Form through September 18)

1. Matilde Abreu
2. Xochitl Blanco-Cano

51. Runyi Liu
52. Terry Liu

3. Jacob Bortnik	53. Janet Luhmann
4. Ken Bromund	54. Yingjuan Ma
5. Bonnie Buratti	55. Bob McPherron
6. Jim Burch	56. David McComas
7. Hao Cao	57. Marni Fechter
8. Julie Castillo-Rogez	58. Joseph Means
9. Alice Chamberlin	59. Lingsen Meng
10. Danielle Chamberlin	60. Pierpaolo Muti
11. Steve Chamberlin	61. Peng Ni
12. Miranda Chang	62. Katariina Nykyri
13. Leslie Lim	63. Nick Omid
14. Li-Jen Chen	64. Katharina Otto
15. Peter Chi	65. Steve Petrinec
16. Wendy Li	66. John Philips
17. Bob Clauer	67. Carol Polanskey
18. Elizabeth Herrera	68. Tom Prettyman
19. Jason Derr	69. Yi Qi
20. Yuliang Ding	70. Carol Raymond
21. Seth Dorfman	71. Patricia Reiff
22. Charles Farrugia	72. Bruce Runnegar
23. Galen Fowler	73. Andrei Runov
24. Tahlia Garcia	74. Arlene Russell
25. Miguel Garcia-Garibay	75. Christopher Russell
26. Michael Gedalin	76. Britney Schmidt
27. Henry Gonzalez	77. Jennifer Scully
28. Bill Harris	78. Yangyang Shen
29. Ricky Hart	79. Chen Shi
30. Michael Hartinger	80. Yuri Shprits
31. Jennifer Hauer	81. Howard Singer
32. William Hauer	82. Hanna Sizemore
33. Walt Hauer	83. Paul Song
34. Man Hua	84. Linda Spilker
35. Zesen Huang	85. Thomas Spilker
36. Ky Hughson	86. Frances Staples
37. Elizabeth Jensen	87. Robert Strangeway
38. Yingdong Jia	88. Wenyi Sun
39. Lan Jian	89. Robert Troy
40. Steve Joy	90. Jaroslav Urbar
41. Hideaki Kawano	91. Michaela Villarreal
42. Krishan Khurana	92. Ray Walker
43. Naritoshi Kitamura	93. Hanying Wei
44. Margaret Kivelson	94. Marco Velli
45. Blaise Kuo Tiong	95. Sneha Yadav
46. Jasper Laca	96. Endawoke Yizengaw

47. Guan Le 48. Zhi Wang 49. Jared Leisner 50. Jinxing Li	97. Ed Young 98. Andrew Yu 99. Kun Zhang 100. Wenyu Zhang 101. Xu Zhang 102. Cong Zhao 103. Xiaoyan Zhou
--	--

Information for Presenters

Oral Presentation	The aspect ratio of the projection screen is 4:3.
Poster Presentation	The dimension of the poster board is 48" x 36".

Science Organizing Committee (SOC)

(Year of Graduation, Affiliation)

- Richard Elphic (1982, NASA Ames Research Center)
- David McComas (1985, Princeton University)
- Guan Le (1991, NASA Goddard Space Flight Center)
- Paul Song (1991, University of Massachusetts Lowell)
- Steve Petrinec (1993, Lockheed Martin)
- Tamitha Skov (2002, Millersville University)
- Elizabeth Jensen (2005, Planetary Science Institute)
- Lan Jian (2008, NASA Goddard Space Flight Center)
- Britney Schmidt (2010, Cornell University)

Local Organizing Committee (LOC)

UCLA	Hao Cao (2014), Peter Chi (1997), Yingdong Jia, Jasper Laca, Yingjuan Ma, Emmanuel Masongsong, Marjorie Sowmendran, Hanying Wei (2010), Xiaoyan Zhou
JPL	Jennifer Scully (2015)