16th CMMAP Team Meeting
January 7-9, 2014

Introductions I

New CSU students:

Jordan Allen, Alex Goodman, Leah Lindsey, Alex Naegele

New CSU postdocs:

Nathan Arnold, Emily Riley

Introductions 2

Gudrun Magnusdottir, UC Irvine

Jim Randerson, UC Irvine

Sungduk Yu, UC Irvine

Colene Haffke, UC Irvine

Robert Fovell, UCLA

Ulli Seibt, UCLA

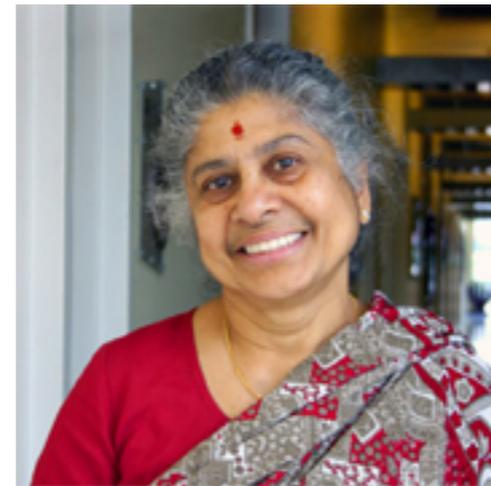Wu Sun, UCLA

Joao Teixeira, JPL

Frank Li, JPL

Christos Papadopoulos, CSU Computer Science

Cathie Olschanowsky, CSU Computer Science
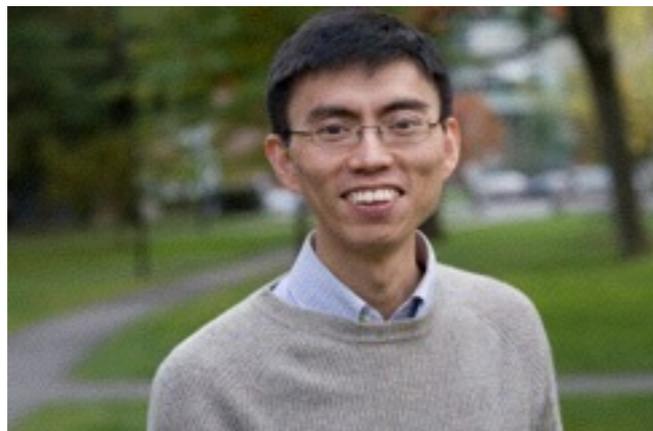
External Advisory Panel

Brian Mapes, Chair

Indira Nair

Tiffany Shaw

Steve Ghan

Zhiming Kuang

Research news

- New Giga-LES runs

- Q3D MMF

- Unified parameterization

- Steve Krueger's CPT

- Super-parameterized geodesic model

- Super-parameterized ECMWF model

- Coupling with CLM on the CRM grid

- Turbulence parameterizations

No one from NSF is at this meeting. Eric DeWeaver is not worried about us.

On May 21 2014 we will have a "virtual site visit."

This is our last meeting with full funding.

AA Day

Ph.D. Students Advised by AA

Francis Joseph Winninghoff, 1968
Robert Lee Haney, 1971
Vivian Ruhlig Lamb, 1973
Jeong-Woo Kim, 1973 ———————→ Joon-Hee Jung
Wayne Howard Schubert, 1973
David Allan Randall, 1976
Mao-Sung Yao, 1977
Winston Cheng-Wen Chao, 1978
Stephen John Lord, 1978
Chin-Hoh Moeng, 1979
Chi-Sann E. Liou, 1982
Shrinivas Moorthi, 1983
Steven Keith Krueger, 1985
Yueh-Jiuan Hsu, 1988
Jeng-Ming Chen, 1989
Sajal Kumar Kar, 1989
Kuan-Man Xu, 1991
Celal Sukru Konor, 1992
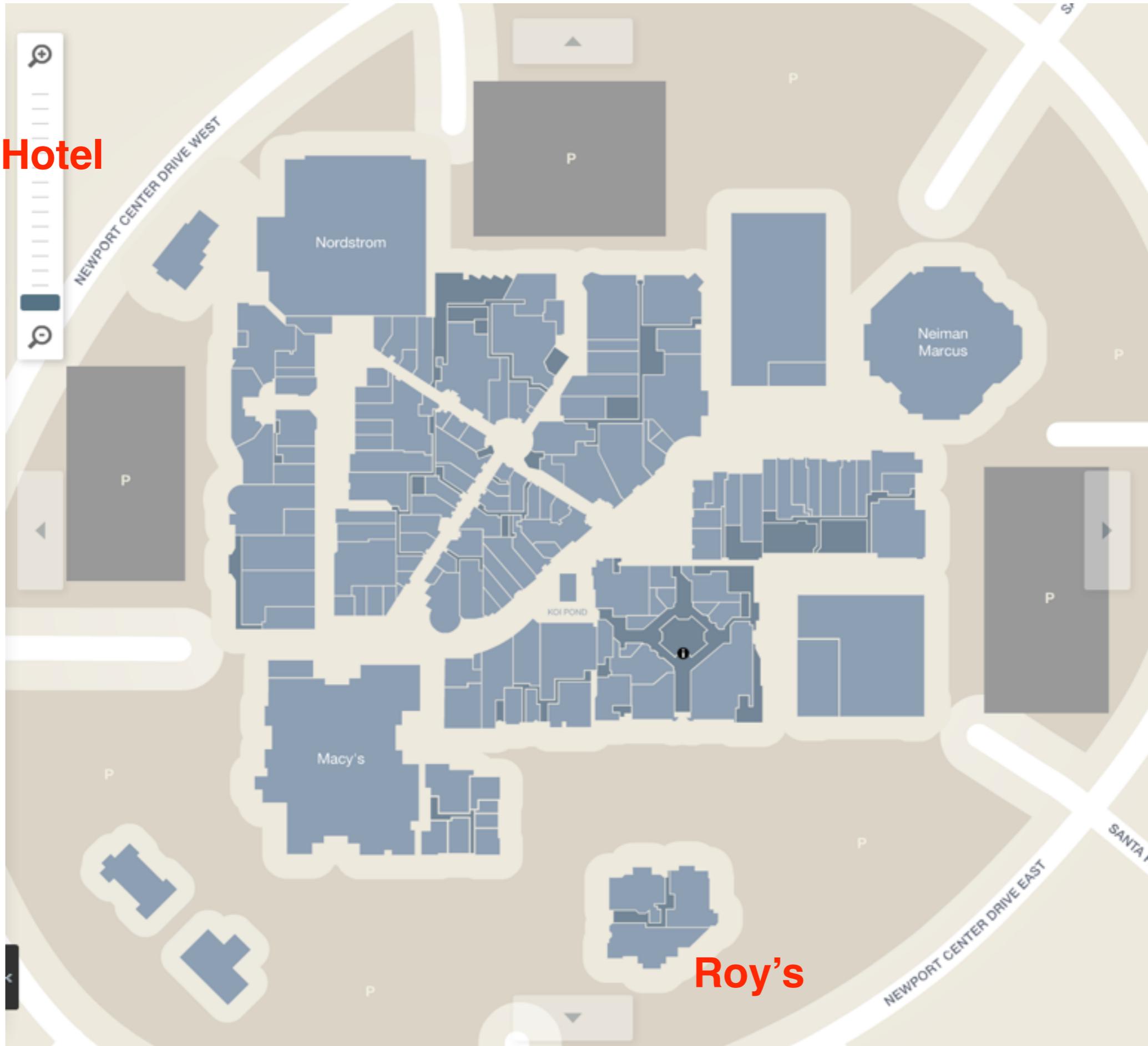Young-Joon Kim, 1992
Chichung Lin, 1993
Yue-Zhen Liu, 1995

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Tuesday January 7: AA Day		
8:30	David Randall	Opening remarks
9:00	Wayne Schubert	The ITCZ/Hadley Circulation: A Mesoscale Power Plant with a Planetary Scale Supporting Structure
9:45		*Break*
10:00	David Randall	Prime prime bar: Forty years of fluxes
10:45	Chin-Hoh Moeng	Arakawa & I, and the Planetary Boundary Layer
11:30		*Group luncheon at Roy's restaurant nearby*
1:30	Steve Krueger	Using Cloud-Resolving Models for Parameterization Development
2:15	Kuan-Man Xu	Implementing a Higher-order Turbulence Closure (IPHOC) in CAM5 and SPCAM: Issues, Successes and Remaining Challenges
3:00		*Break*
3:15	Celal Konor	A review of dynamical core development under CMMAP
4:00	Joon-Hee Jung	Q3D MMF: A new generation of superparameterization
4:45	Akio Arakawa	MODEL UNIFICATION - My latest research excitement
5:45	Adjourn for the day. AA Day Speakers' Dinner. Student dinner. Others, dinner on your own.	

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Wednesday		
8:30	Mike Pritchard	Probing the sensitivities of the superparameterized Madden-Julian Oscillation to test dynamical paradigms
9:30	Breakout - Team Leads	Breakout Session #1 [Clouds and Climate, and Multiscale Land Surface]
10:15		*Break*
10:30		Breakout Session #1 Continues
11:45		*Lunch on your own*
1:15	Gudrun Magnusdottir	Response of the wintertime atmospheric circulation to current and projected Arctic sea ice decline
2:00	Breakout - Team Leads	Breakout Session #2 [Knowledge Transfer, and Cyber Infrastructure]
3:00		*Break*
3:15		Breakout Session #2 Continues
4:15	Jim Randerson	The carbon cycle in CMIP5 models: evaluation and future opportunities
5:15		Adjourn for the day. EC dinner. Others, dinner on your own.

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Thursday		
8:30	Cristiana Stan	The influence of SST changes on the MJO variability
9:30	Chin-Hoh and Hugh	Physical process presentations
10:30	*Break*	
11:00	Chin-Hoh and Hugh	Physical process presentations continue
12:00	David Randall	Closing remarks
12:30	END OF MEETING	