

NAIC/NRAO Single Dish Summer School at Arecibo

July 10-17, 2005

Talks Monday-Friday are Given in the Visitor Center Auditorium
Talks Scheduled on Sunday will be in the Learning Center

Time	Title	Speaker	Institution
	Sunday July 10		
0900+	Meeting Registration in the Library		
1000	Telescope/Site Tours leaving from the Cafeteria		
1230	<i>Lunch at the Cafeteria</i>		
1400	Initial Hands-on Projects Planning at the Learning Center	Project Leaders	NRAO NAIC
1500	<i>Refreshments at the Learning Center</i>		
1530	Discussion of the Radio Sky	J. Condon	NRAO
1630	Historical Introduction to Radio Astronomy	R. Brown	NAIC
1715	Summer School logistics and resources	R. Brown	NAIC
1800	<i>Dinner at the Cafeteria</i>		
	Monday July 11		
0730+	<i>Breakfast at the Cafeteria/Hotel</i>		
0800	Meeting Registration Continues in the Library		
0850	Welcome to the Arecibo Observatory	S. Gonzalez	NAIC
0900	Historical Introduction to the Arecibo Observatory	D. Altschuler	NAIC
0945	Introduction to the GBT	P. Jewell	NRAO
1030	<i>Coffee</i>		
1045	Basic Principles of Single Dish Radio Telescopes	P. Goldsmith	Cornell
1145	Theory of Measurements with Fully-Filled Apertures	C. Salter	NAIC
1230	<i>Lunch at the Cafeteria</i>		
1400	Why Single Dishes?	D. Emerson	NRAO
1445	Microwave Receiver Systems, including IF/LO	J. Hagen	NAIC
1530	<i>Refreshments</i>		
1600	Backends	J. Hagen	NAIC
1645	Continuum Observing	J. Condon	NRAO
1800	<i>Dinner at the Cafeteria</i>		
1900	Observing: Hands-on Projects		
	Tuesday July 12		
0730+	<i>Breakfast at the Cafeteria/Hotel</i>		
0900	Spectral Line Theory and Observations	H. Liszt	NRAO
1015	<i>Coffee</i>		
1045	Calibration Techniques at Radio Wavelengths	K. O'Neil	NRAO

1130	Single Dish Data Reduction and Analysis Techniques	R. Maddalena	NRAO
1230	<i>Lunch at the Cafeteria</i>		
1230	Hands-on Project: Radar Observations of Mercury	J. Harmon	NAIC
1400	Data Reduction Seminars and Practice		
	GBT Data and IDL Analysis System	Learning Center	
	Arecibo Data and IDL Analysis System	Trailer #2	
1630	Techniques for Spectral Baseline Fitting	C. Heiles	UCB
1800	<i>Dinner at the Cafeteria</i>		
1900	Observing: Hands-on Projects		
	Wednesday July 13		
0730+	<i>Breakfast at the Cafeteria/Hotel</i>		
0900	A Heuristic Introduction to Radio Astronomical Polarization	C. Heiles	UCB
0945	Short Spacings Correction from the Single Dish Perspective	S. Stanimirovic	UCB
1030	<i>Coffee</i>		
0945	Pulsars I. The Whys and Hows of Searching for Exotic Pulsars	J. Cordes	Cornell
1100	Pulsars II. How to understand what exotic pulsars are telling us	P. Freire	NAIC
1230	<i>Lunch at the Cafeteria</i>		
1400	Stray Radiation and How to Deal with it	J. Lockman	NRAO
1445	Planetary Radar: Theory and Observation	J. Harmon	NAIC
1545	<i>Refreshments</i>		
1600	RFI and How to Deal with it	B. Lewis	NAIC
1645	Large Area Sky Surveys with Multi-frequency Array Receivers: Spectroscopy	C. Heiles	UCB
1800	<i>Dinner at the Cafeteria</i>		
1900	Observing: Hands-on Projects		
	Thursday July 14		
0730+	<i>Breakfast at the Cafeteria/Hotel</i>		
0900	Writing Effective Telescope Proposals	C. Salter	NAIC
0945	Geology of PR	E. Howell	NAIC
1030	Hands-on Projects Data Reduction		
1230	<i>Lunch at the Cafeteria</i>		
1400	Hands-on Projects Data Reduction		
1830	Summer School Banquet at El Observatorio		
2030	After Dinner Talk at the Restaurant: A Pulsar Renaissance: Recent Events in the World of Pulsars	S. Ransom	NRAO
	Friday July 15		
0730+	<i>Breakfast at the Cafeteria/Hotel</i>		
0930	International Spectrum Management	H. Liszt	NRAO

1015	The Future of Single Dish Radio Astronomy	R. Brown	NAIC
1100	Preparation of Hands-on Presentations		
1230	<i>Lunch at the Cafeteria</i>		
1400	Presentation of Hands-on Projects		
1700	Farewell Barbeque by the Pool		
	Entertainment by local band		
	Saturday July 16		
0730+	<i>Breakfast at the Cafeteria/Hotel</i>		
0900	Optional: Day trip to Old San Juan (no cost)		
	Sunday July 17		
	Participants Depart		