



Klaus Dehmelt

RD51 Mini Week

November 21, 2011

**PROPOSAL: 10TH RD51 COLLABORATION
MEETING 2012 AT STONY BROOK**

Where Are We?



Where Are We?



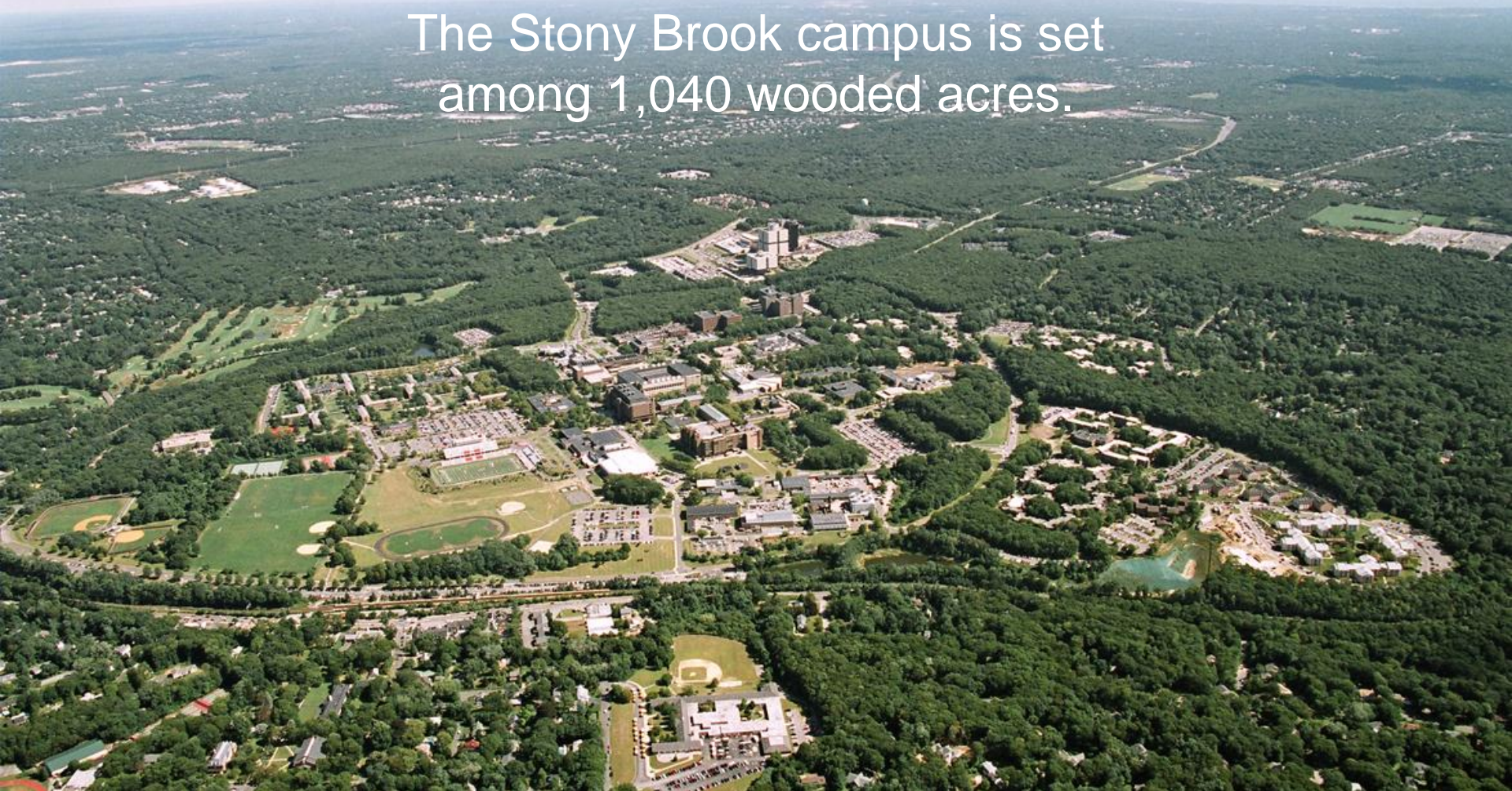
**STONY BROOK
UNIVERSITY**

Where Are We?



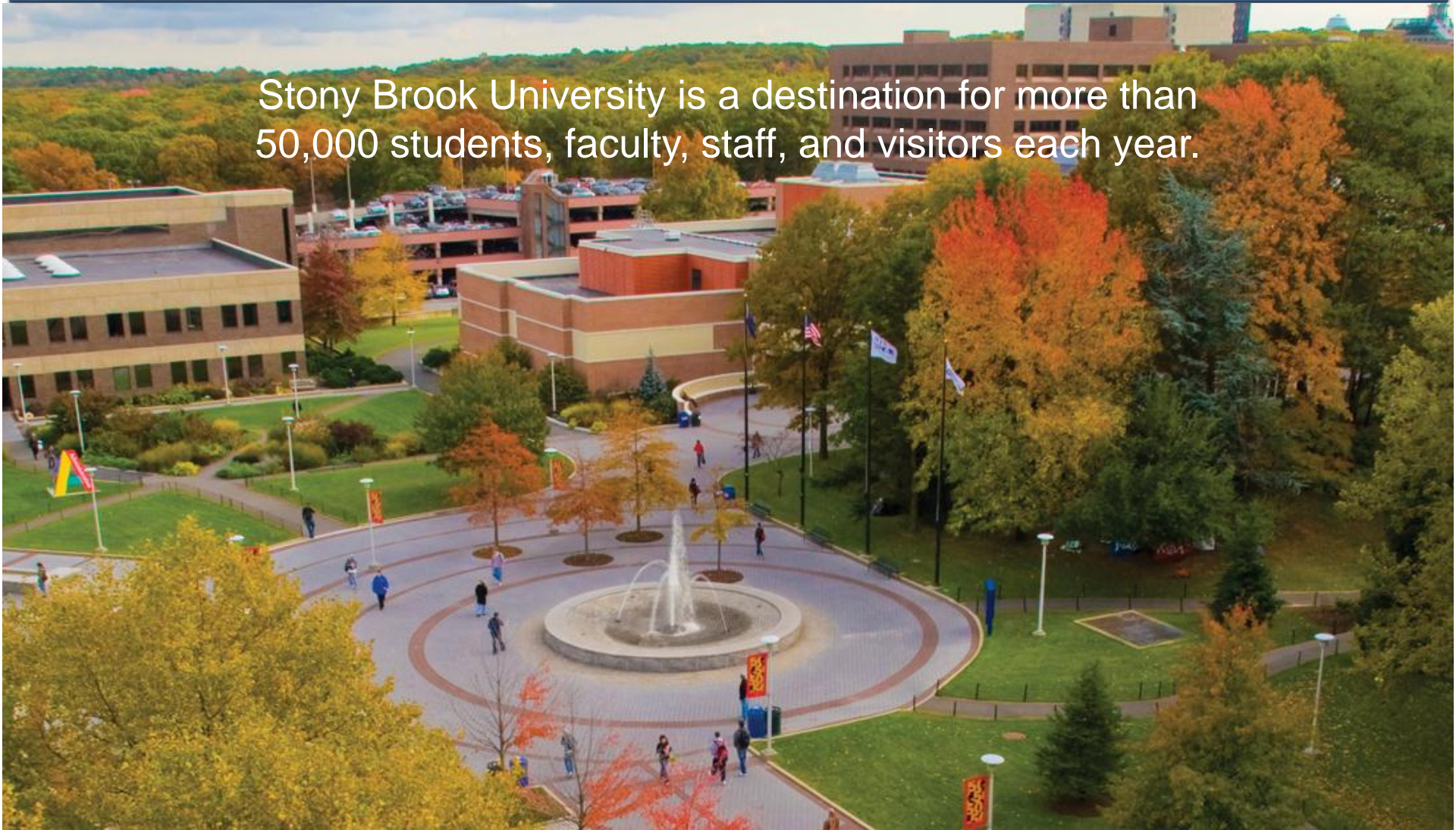
SBU Campus

The Stony Brook campus is set among 1,040 wooded acres.



The University

Stony Brook University is a destination for more than 50,000 students, faculty, staff, and visitors each year.



Large, top-class faculty

- Three *Nobel* laureates
 - Chen Ning Yang - **Physics**,
 - Peter C. Lauterbur - **Physiology**,
 - Robert J. Aumann - **Economy**
- One *Abel* prize winner
 - John W. Milnor
- *SUperGRAvity*
 - Daniel Z. Freedman, Peter van Nieuwenhuizen, and Sergio Ferrara
- Founding members and leaders of
 - D0 at Tevatron/FNAL
 - PHENIX at RHIC/BNL
 - ATLAS at LHC/CERN
 - **EIC in the USA**

Brookhaven National Laboratory

Stony Brook University as the largest academic user, co-manages nearby Brookhaven National Laboratory and chairs the Brookhaven Science Associates which is governed by a 16-member Board of Directors: Five appointed by the [SUNY Research Foundation](#), five by [Battelle](#), and one each from six of the nation's premier research universities: [Columbia](#), [Cornell](#), [Harvard](#), [MIT](#), [Princeton](#), and [Yale](#).



4 Faculty (RD51 members):

- PHENIX *Heavy Ion* Physics: Axel Drees, **Thomas Hemmick** & Barbara Jacak
- PHENIX *Spin* Physics & *Electron Ion Collider*: **Abhay Deshpande**

1 Research Scientist:
Klaus Dehmelt



Many graduate and undergraduate students involved; Master of Science in Instrumentation (MSI) program at SBU

Design and construction of

- **PHENIX RICH**
- **PHENIX Drift chamber**
- **Hadron Blind Detector for PHENIX**
- **PHENIX VTX**

R&D for sPHENIX and EIC detector

- **GEM tracking (barrel and forward)**
- **RICH based on CsI-GEMs**

in collaboration with many RD51 institutes

Recreation Attractions

Stony Brook Seawolves Football Team



Safe Campus



SBU works with the University Police, Emergency Management, Environmental Health & Safety, Fire Marshals, Campus Residents, and Communications to keep our venues safe and secure.

Conference Amenities



Charles B. Wang Center

Conference Amenities



Wang Center Lecture Halls



The Wang Center offers two lecture halls on the ground floor, located in close proximity to restrooms and descends into a stylish atrium.

Each hall is equipped with a wall screen, tabletop podium, and projector.

Wi-Fi is available.

The two lecture halls have capacities of 60+ each.



Conference Amenities



Lots of opportunities for
having a break



Conference Amenities

STONY BROOK UNIVERSITY manage meal plan: [ADD FUNDS: FACULTY/STAFF](#) [ADD FUNDS: STUDENTS](#)

Campus DINING SERVICES
FRESH · LOCAL · GUEST FOCUSED

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[HOURS](#) [MENUS](#) [NUTRITION](#) [GALLERY](#) [CONTACT US](#)

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Menus

Below is a list of concepts arranged by location. Click on a concept to view the current menu.



<p>Student Activities Center</p> <p>Charcoals Grill Omelet Pan Mulberry Street Au Bon Pain Native Spice Wrap it Up</p>	<p>The Stony Brook Union</p> <p>Delancey Street Taro 13 Lunch Taro 13 Sushi Charcoals Grill Union Deli Halal New York Upick Chopped Salads Picantes World Soup Pizza Native Spice LATE NIGHT - Charcoals LATE NIGHT - Buenos Nachos Brunch Starbucks</p>	<p>Tabler Café</p> <p>Dunkin Donuts Crazy Crepes Flat Bread</p>
<p>Kelly Dining Center</p> <p>Blue Plate Nightly Specials Picantes Charcoals Grill Taro 13 Eco Cravings Kettle Cuisine Mulberry Street Wrap it Up Kelly Coffee and Tea + Smoothies Kelly's Fish Market Weekend Brunch</p>	<p>Roth Food Court</p> <p>Roth Market Pura Vida California Pizza Kitchen UPick Chopped Salads Juice Event Wendy's</p>	

CAMPUS DINING SERVICES FALL 2011 HOURS

	MONDAY-THURSDAY	FRIDAY	SATURDAY	SUNDAY
STUDENT ACTIVITIES CENTER*	7:30AM-10:00PM	7:30AM-8:00PM	12:00PM-6:00PM	12:00PM-6:00PM
STONY BROOK UNION*				
UNION DELI	8:00AM-11:00PM	8:00AM-11:00PM	11:00AM-11:00PM	11:00AM-11:00PM
STARBUCKS	8:00AM-12:00AM	8:00AM-12:00AM	11:00AM-12:00AM	11:00AM-12:00AM
DELANCEY STREET UNION COMMONS	12:00PM-7:00PM	12:00PM-2:00PM		
PICANTES	11:00AM-10:00PM	11:00AM-10:00PM		
CHARCOALS	11:00AM-10:00PM	11:00AM-10:00PM	5:30PM-3:00AM	5:30PM-3:00AM
TARO 13	11:00AM-10:00PM	11:00AM-10:00PM		
U PICK	11:00AM-10:00PM	11:00AM-10:00PM		
SUSHI	11:00AM-10:00PM	11:00AM-10:00PM		
HALAL	11:00AM-10:00PM	11:00AM-10:00PM		
NATIVE SPICE			5:30PM-10:00PM	5:30PM-10:00PM
BUENOS NACHOS EXPRESS	10:30PM-3:00AM	10:30PM-3:00AM	5:30PM-3:00AM	5:30PM-3:00AM
CHARCOALS EXPRESS	10:30PM-3:00AM	10:30PM-3:00AM	10:30PM-3:00AM	10:30PM-3:00AM
BRUNCH			10:30AM-3:00PM	10:30AM-3:00PM
FRESHETTA PIZZA	11:00AM-3:00AM	11:00AM-3:00AM	5:30PM-3:00AM	5:30PM-3:00AM
KELLY DINING CENTER*				
OMELET PAN	7:00AM-11:00AM	7:00AM-11:00AM		10:30AM-3:00PM
CHARCOALS	11:30AM-9:00PM	11:30AM-9:00PM		4:00PM-9:00PM
MULBERRY STREET	11:30AM-12:00AM	11:30AM-12:00AM	4:00PM-12:00AM	11:30AM-12:00AM
WRAP IT UP	11:30AM-3:00AM	11:30AM-3:00AM	4:00PM-3:00AM	11:30AM-3:00AM
BRUNCH			10:30AM-3:00PM	
ECO CRAVINGS	11:30AM-3:00PM	11:30AM-3:00PM		
PICANTES	11:30AM-12:00AM	11:30AM-12:00AM	5:00PM-12:00AM	5:00PM-12:00AM
TARO 13	11:30AM-9:00PM	11:30AM-9:00PM		
BUCKETS	10:00PM-3:00AM	10:00PM-3:00AM	10:00PM-3:00AM	10:00PM-3:00AM
AMERICAN KITCHEN NIGHTLY SPECIALS	5:00PM-10:00PM	5:00PM-10:00PM	4:00PM-9:00PM	5:00PM-9:00PM
KELLY'S FISH MARKET	12:00PM-9:00PM	12:00PM-9:00PM		
KELLY COFFEE & TEA HOUSE	8:00PM-12:00AM	8:00PM-12:00AM	8:00PM-12:00AM	8:00PM-12:00AM
KELLY CONVENIENCE STORE	7:00AM-3:00AM	7:00AM-3:00AM	4:00PM-3:00AM	10:30AM-3:00AM
ROTH FOOD COURT*				
PURA VIDA	9:00AM-9:00PM	9:00AM-9:00PM	9:00AM-9:00PM	9:00AM-9:00PM
WENDY'S	11:30AM-12:00AM	11:30AM-12:00AM	12:00PM-12:00AM	12:00PM-12:00AM
CALIFORNIA PIZZA KITCHEN	11:30AM-12:00AM	11:30AM-12:00AM	12:00PM-12:00AM	12:00PM-12:00AM
ROTH MARKET	11:30AM-9:00PM	11:30AM-9:00PM		
UPICK SALAD	11:30AM-9:00PM	11:30AM-9:00PM		
TABLER CAFÉ*				
DUNKIN' DONUTS	9:00AM-12:00PM			
JASMINE**	5:30PM-12:00AM			5:30PM-12:00AM
	11:00AM-8:00PM	11:00AM-8:00PM	2:00PM-8:00PM	2:00PM-8:00PM
SBU 100 CARTS				
ADMINISTRATION CART	8:00AM-2:00PM	8:00AM-2:00PM		
LIFE SCIENCES CART	8:00AM-2:30PM	8:00AM-2:30PM		

*Student meal plan Campus Points and Flex Credits accepted at this location.
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www.campusdining.org



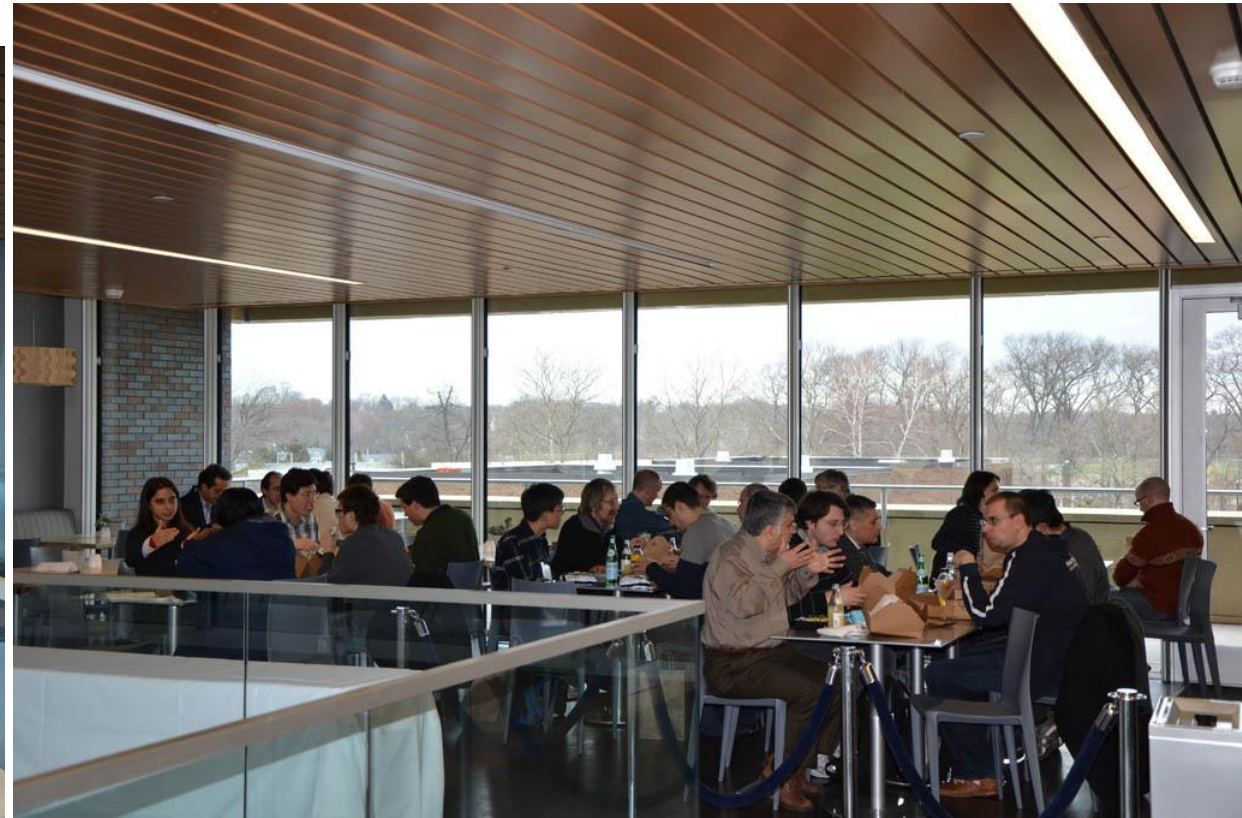
Conference Amenities

Jasmine, the Wang Center's
Restaurant



Manhattan's Finest Asian Food at the Wang Center





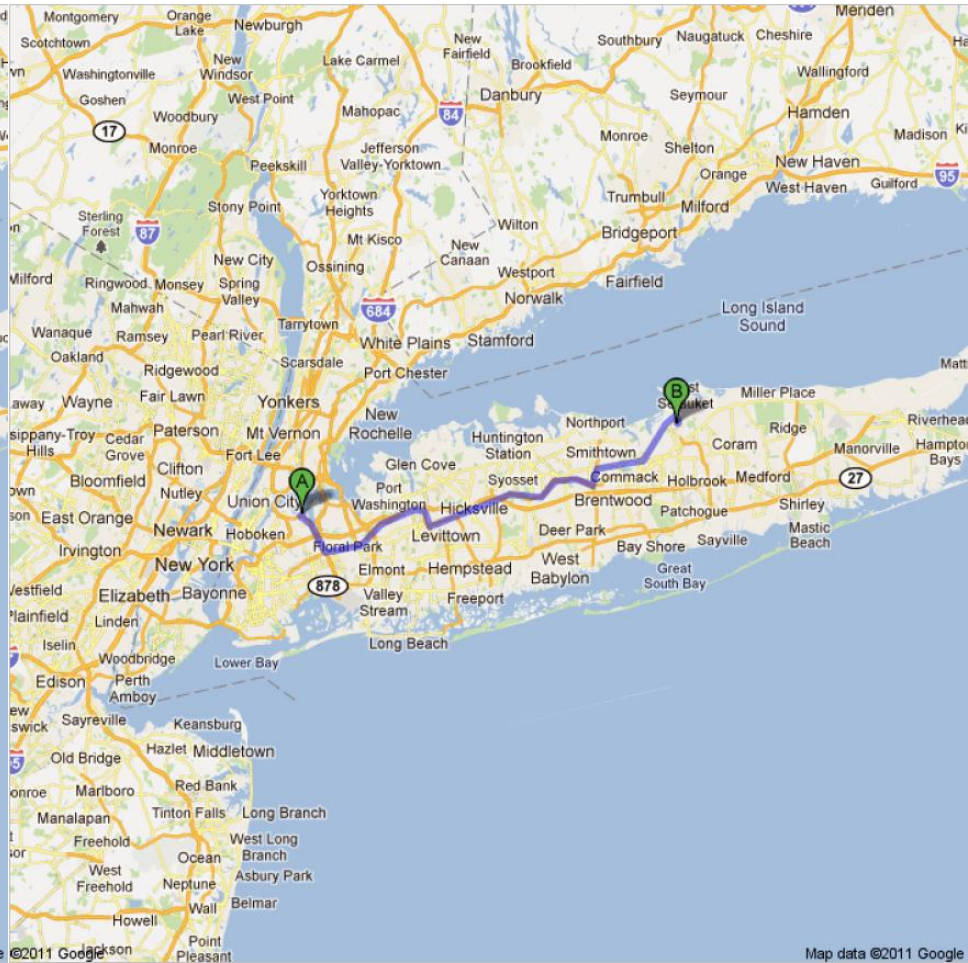
The Simons Center Cafe

Arrival To SBU

John F. Kennedy Airport (1h15m)



La Guardia Airport (1h15m)

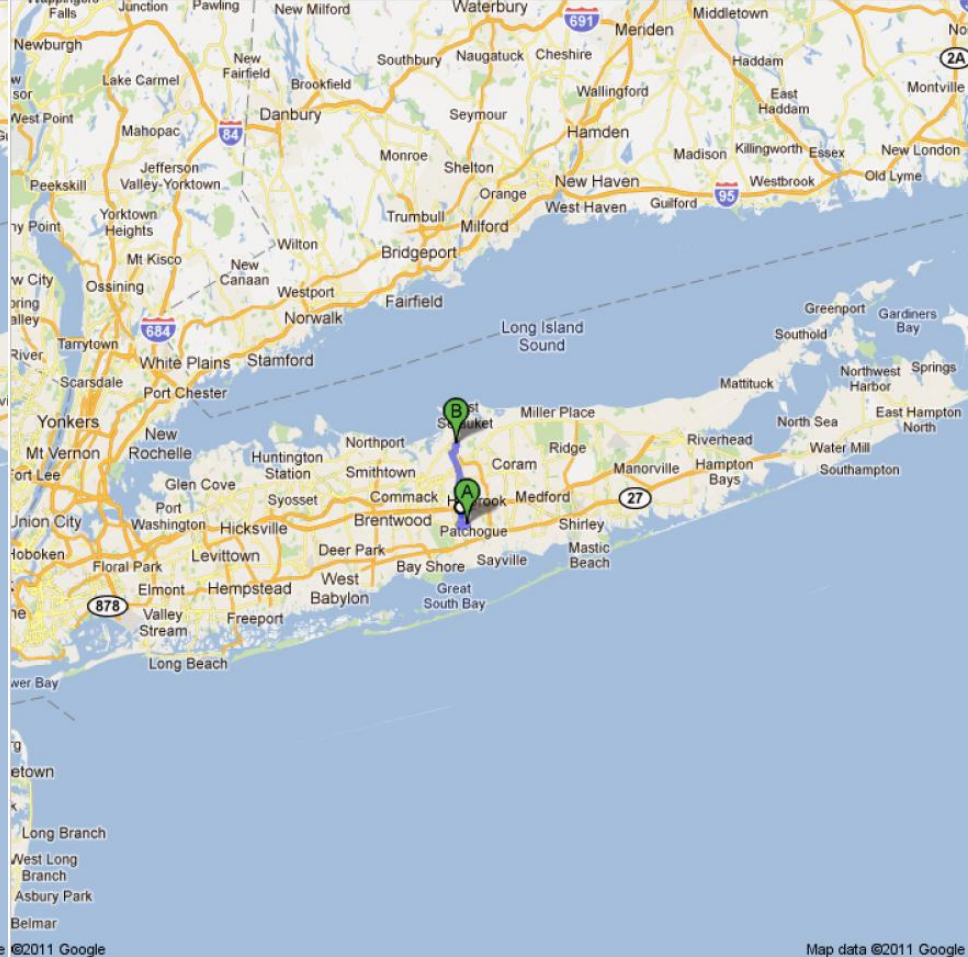


Arrival To SBU

Newark Liberty Airport (1h45m)



MacArthur Airport Islip (0h30m)



Arrival To SBU



Accommodations

[Three Village Inn](#)

150 Main Street
Stony Brook, NY 11790.
About 2 miles (~ 3.2 km)



[Holiday Inn Express Stony Brook](#)

3131 Nesconset Highway
Centereach, NY 11720.
About 3 miles (~ 4.8 km) -> Bus shuttle



[Danford's Inn Marina](#)

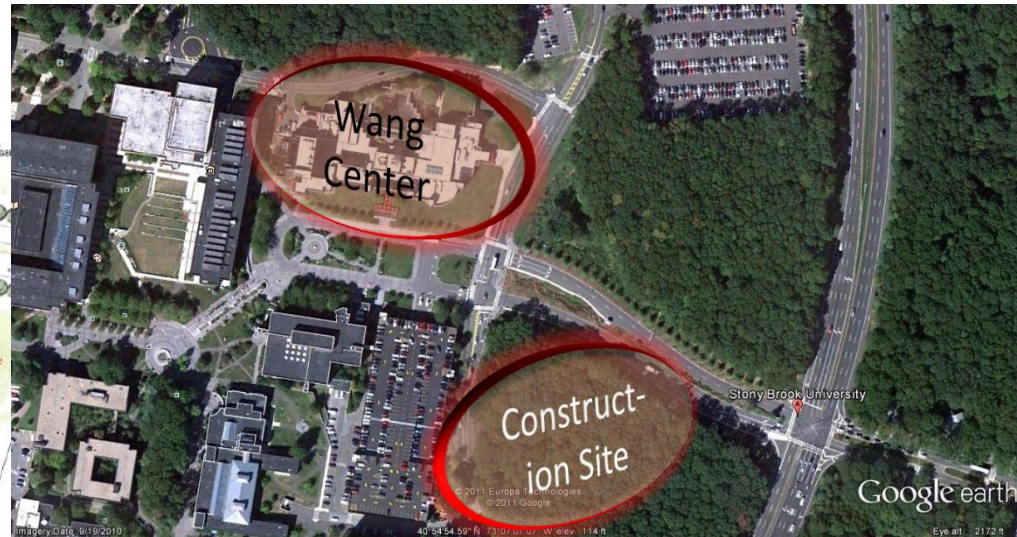
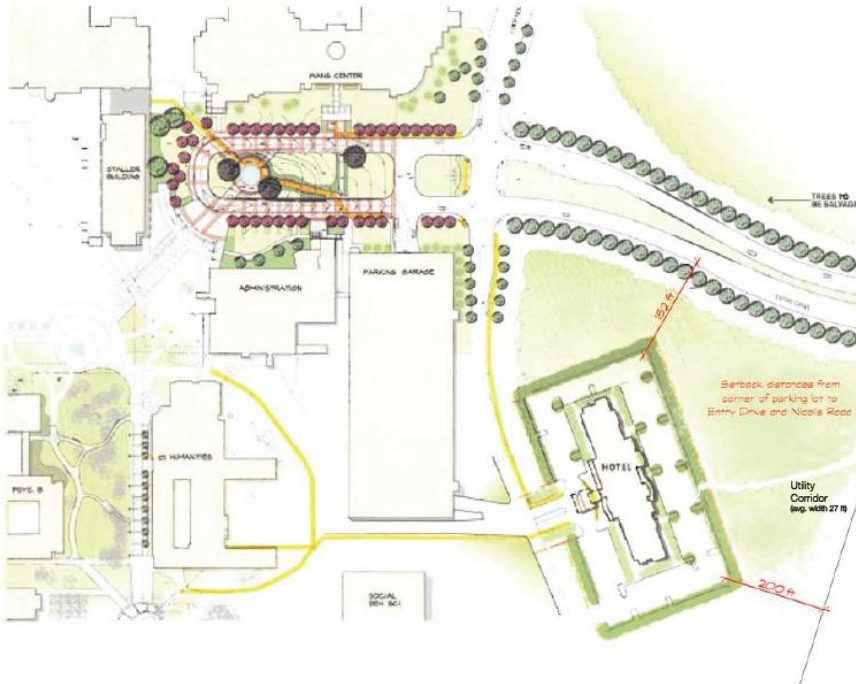
25 E Broadway
Port Jefferson, NY 11777.
About 5 miles (~ 8 km) -> public bus



Accommodations

A Hilton Garden Inn Hotel is being constructed directly on campus.

It is estimated that the hotel construction will be complete in the Fall of 2012.



Climate in Stony Brook

Month	Avg. High	Avg. Low	Mean	Avg. Precipitation	Record High	Record Low
October	66°F	47°F	57°F	4.10 in.	91°F (1941)	26°F (1966)
	19°C	8°C	14°F	101 mm	33°C (1941)	-3°C (1966)

October	Avg. Snow Days:	0	Avg. Fog Days:	10	Avg. Humid.:	71 % (NY Central Park)
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Possible excursion: *Big Apple*

- Bus tour or **LIRR** to NYC
- Explore NYC by yourself:
 - Central Park
 - Times Square
 - Statue of Liberty
 - 10,000 more ...
- Return by bus or **LIRR**



LIRR: Long Island Rail-Road

Conference Dinner



Conclusion

- Stony Brook is a very beautiful place to host the RD51 collaboration meeting in Oct. 2012
- Stony Brook is a very fruitful place to host the RD51 collaboration meeting in Oct. 2012
- University business ongoing: student lectures
- Stony Brook is easily accessible from all places all over the globe as well as from any place within the US
- Many institutes in RD51 are within the Americas
- Would be the first RD51 meeting within the Americas:
 - Seven (Eight) European based meetings
 - One Asian based meeting
 - From 2012: One Americas based meeting (?)