

Final Report for Period: 01/2010 - 12/2010**Submitted on:** 01/02/2011**Principal Investigator:** Wick, Brett D.**Award ID:** 0969431**Organization:** GA Tech Res Corp - GIT**Submitted By:**

Wick, Brett - Principal Investigator

Title:

SEAM XXVI Georgia Institute of Technology Spring 2010

Project Participants**Senior Personnel****Name:** Wick, Brett**Worked for more than 160 Hours:** Yes**Contribution to Project:****Post-doc****Graduate Student****Undergraduate Student****Technician, Programmer****Other Participant****Name:** Sawyer, Eric**Worked for more than 160 Hours:** No**Contribution to Project:**

Main Speaker During Conference; supported

Name: Pott, Sandra**Worked for more than 160 Hours:** No**Contribution to Project:**

Main Speaker During Conference; supported

Name: Lyall, Neil**Worked for more than 160 Hours:** No**Contribution to Project:**

Main Speaker During Conference; supported

Name: Beznosova, Oleksandra**Worked for more than 160 Hours:** No**Contribution to Project:**

Main Speaker During Conference; supported

Name: Knese, Greg**Worked for more than 160 Hours:** No**Contribution to Project:**

Main Speaker During Conference; supported

Name: Vershynin, Roman**Worked for more than 160 Hours:** No

Contribution to Project:

Main Speaker During Conference; supported

Name: Paulsen, Vern

Worked for more than 160 Hours: No

Contribution to Project:

Main Speaker at Conference; supported

Name: Trent, Tavan

Worked for more than 160 Hours: No

Contribution to Project:

Main Speaker at Conference; supported

Name: Kim, Yun-Su

Worked for more than 160 Hours: No

Contribution to Project:

Participant and Speaker at conference; supported

Name: Ragupathi, Mrinal

Worked for more than 160 Hours: No

Contribution to Project:

Participant and Speaker at conference; supported

Name: Yattselev, Maxym

Worked for more than 160 Hours: No

Contribution to Project:

Participant and Speaker at conference; supported

Name: Wong, Manwah

Worked for more than 160 Hours: No

Contribution to Project:

Participant and Speaker at conference; supported

Name: Costea, Serban

Worked for more than 160 Hours: No

Contribution to Project:

Participant and Speaker at conference; supported

Name: Do, Yen

Worked for more than 160 Hours: No

Contribution to Project:

Participant and Speaker at conference; supported

Name: Elliot, Samuel

Worked for more than 160 Hours: No

Contribution to Project:

Name: Ferguson, Tim

Worked for more than 160 Hours: No

Contribution to Project:

Participant and Speaker at conference; supported

Name: Mitkovski, Mishko

Worked for more than 160 Hours: No

Contribution to Project:

Participant and Speaker at conference; supported

Name: Adzvieki, Kuzman

Worked for more than 160 Hours: No

Contribution to Project:

Participant and Speaker at conference; supported

Name: Kwessi, Eddy

Worked for more than 160 Hours: No

Contribution to Project:

Participant and Speaker at conference; supported

Name: Quatermous, Katie

Worked for more than 160 Hours: No

Contribution to Project:

Participant and Speaker at conference; supported

Name: Sun, Lijing

Worked for more than 160 Hours: No

Contribution to Project:

Participant and Speaker at conference; supported

Name: Yu, Rui

Worked for more than 160 Hours: No

Contribution to Project:

Participant and Speaker at conference; supported

Name: Roybal, Roger

Worked for more than 160 Hours: No

Contribution to Project:

Participant and Speaker at conference; supported

Name: Mittal, Meghna

Worked for more than 160 Hours: No

Contribution to Project:

Participant and Speaker at conference; supported

Name: Kleski, Craig

Worked for more than 160 Hours: No

Contribution to Project:

Participant and Speaker at conference; supported

Research Experience for Undergraduates

Organizational Partners

Other Collaborators or Contacts

Michael Lacey (GaTech) and Dmitriy Bilyk (U. South Carolina) served as co-organizers of the Conference.

Activities and Findings

Research and Education Activities:

This grant supported the Southeastern Analysis Meeting. This was an opportunity for numerous researchers, including graduate students and early career mathematicians, to present their research.

Findings:

Training and Development:

This conference served as a first opportunity for numerous graduate students to present their work.

Outreach Activities:

Journal Publications

Books or Other One-time Publications

Web/Internet Site

Other Specific Products

Contributions

Conference Proceedings

Categories for which nothing is reported:

Organizational Partners

Activities and Findings: Any Findings

Activities and Findings: Any Outreach Activities

Any Journal

Any Book

Any Web/Internet Site

Any Product

Any Contribution

Any Conference

SEAM XXVI: Georgia Institute of Technology March 25-28, 2010

DMS-0969431: Final Report

PI: Brett Wick

Conference Overview

The 26th Southeastern Analysis Meeting (SEAM) was held from March 25 to 28, 2010, at the Georgia Institute of Technology, Atlanta, Georgia and was supported under DMS-0969431. The purpose of SEAM is to disseminate and exchange the latest ideas and developments in classical analysis, complex analysis, and operator theory. Emphasis was placed on involving junior faculty and graduate students in the meeting as can be seen by the participant list. Historically, the topics of the main lectures have reflected the major current developments in analysis, and this SEAM was no different.

List of Participants

Participant Name	Affiliation
Kuzman Adziewski	South Carolina State University
Erol Akbas	Georgia State University
Robert Allen	University of Wisconsin-La Crosse
Ishak Altun*	Kirikkale University, Turkey
Sriram Balasubramanian*	University of Florida
Joseph A. Ball*	Virginia Tech
Marius Beceanu*	EHESS-CAMS, France
Oleksandra V Beznosova*	University of Missouri, Columbia
Dmitriy Bilyk	University of South Carolina
Shannon Bishop	Georgia Tech
Grant Michael Boquet*	Virginia Polytechnic Institute and State University
Miriam Castillo	University of Florida
Cuneyt Cevik*	Gazi University, Turkey
Xuwen Chen*	University of Maryland, College Park
Alberto A. Condori	Rose-Hulman Institute of Technology
Serban Costea*	McMaster University
Arthur Danielyan*	University of South Florida
Yen Do*	University of California, Los Angeles
Dan Dobbs	University of Virginia
Venku Naidu Dogga	IIT Madras
Michael Dritschel*	Newcastle University
Samuel Elliott*	University of Leeds
Huijun Feng	Georgia Tech
Tim Ferguson*	University of Michigan
Kati Frampton	
Matthew Gamel	University of South Carolina

Jeff Geronimo*	Georgia Tech
Derrick Hart	Rutgers University
Christopher Heil	Georgia Tech
Eugen Ionascu	Columbus State University
Joshua Isralowitz*	SUNY Buffalo
Alex Jeffries	Georgia Tech
David Jimenez*	Texas A&M University
Yun-Su Kim*	University of Toledo
Craig Kleski	University of Virginia
Greg Knese*	University of California, Irvine
Sherwin Kouchekian*	University of South Florida
Eddy Armand Kwessi*	Auburn University
Michael Lacey*	Georgia Tech
Wing Suet Li	Georgia Tech
Entao Liu	University of South Carolina
Jireh Loreaux	University of Cincinnati
Doron Lubinsky*	Georgia Tech
Daniel H. Luecking*	University of Arkansas
Neil Lyall*	University of Georgia
Diego Maldonado	Kansas State University
Scott McCullough*	University of Florida
Mishko Mitkovski*	Texas A&M University
Meghna Mittal	University of Houston
Maria Neophytou	Purdue University
Mehdi Nikpour*	University of Toledo
Konstantin I. Oskolkov	University of South Carolina
Ioannis Parisis	Instituto Superior Tecnoci
Sasmita Patnaik	University of Cincinnati
Vern Paulsen*	University of Houston
Sandra Pott*	University of Glasgow
Gabriel Prajitura*	The College at Brockport State University of New York
Katie Quertermous	University of Virginia
Mrinal Raghupathi*	Vanderbilt University
Maria Carmen Reguera Rodriguez*	Georgia Tech
Trevor Richards	University of Florida
Stefan Richter	University of Tennessee
Marian Robbins	California Polytechnic State University
Richard Rochbberg	Washington University in St. Louis
William T. Ross*	University of Richmond
Roger A Roybal	California State University, Channel Islands
Josie Ryan	Lander University
Gary Sampson*	Auburn University
Daniel Savu*	University of South Carolina

Participant Name	Affiliation
Eric Sawyer*	McMaster University
Rebecca Schmitz	University of Minnesota
James Scurry	Georgia Tech
Nicholas A Sedlock*	Washington University in St. Louis
Bassam Shayya	American University of Beirut
Chun-Yen Shen	Indiana University
Dale Smith	
Zachary J. Smith	University of Tennessee, Knoxville
Richard W. Spjut	University of California, Santa Barbara
Manfred Stoll*	University of South Carolina
Lijing Sun*	University of Wisconsin-Milwaukee
Ramazan Tinaztepe*	Georgia Tech
Tavan T. Trent*	University of Alabama
Armen Vagharshakyan*	Georgia Tech
Roman Vershynin*	University of Michigan
Ronald A. Walker*	Penn State Harrisburg
Holly L. Watson	University of South Carolina
Brett Wick	Georgia Tech
Warren Wogen	University of North Carolina
Manwah Lilian Wong*	University of Oklahoma
Linwei Xin	Georgia Tech
Mingrui Yang	University of South Carolina
Maxim Yattselev*	Vanderbilt University
Rui Yu	University of South Carolina
Ruhan Zhao*	The College at Brockport State University of New York
Pavel Zhelotov*	University of South Carolina

*Indicates speaker

Brief Descriptions of the Sessions

SCHEDULE OF PRESENTATIONS

Thursday, March 25

Time	Afternoon Session	Room
1:00 – 1:30	Check-in/Light Refreshments	Atrium
1:30 – 2:30	Roman Vershynin <i>Random Matrices from the Functional Analytic Perspective</i>	1116
2:30 – 3:00	Break	Atrium

Afternoon Parallel Sessions

Time	Room 1447	Room 1456
3:00 – 3:30	Mrinal Raghupathi	Ramazan Tinaztepe
3:30 – 4:00	Maxim Yattselev	David Jimenez
4:00 – 4:30	Joshua Isralowitz	Eddy Kwessi
4:30 – 5:00	Mehdi Nikpour	Sriram Balasubramanian

Friday, March 26

Time	Morning Session	Room
8:00 – 9:00	Check-in/Breakfast	Atrium
9:00 – 10:00	Eric T. Sawyer <i>Some Characterizations of Two Weight Norm Inequalities for the Hilbert Transform and its Noncentered Maximal Truncations</i>	1116
10:00 – 10:30	Oleksandra V. Beznosova <i>A New Sharp Version of Buckley's Inequality</i>	1116
10:30 – 11:00	Break	Atrium

Morning Parallel Sessions

Time	Room 1447	Room 1456
11:00 – 11:30	Serban Costea	Manwah Wong
11:30 – 12:00	Doron Lubinsky	Mishko Mitkovski
12:00 – 2:00	Lunch	

Friday, March 26

Time	Afternoon Session	Room
2:00 – 3:00	Vern Paulsen <i>Function Theory on Quantized Domains</i>	1116
3:00 – 3:30	Greg Knese <i>Kernel Decompositions for Schur Functions on the Polydisk</i>	1116
3:30 – 4:00	Break	Atrium

Afternoon Parallel Sessions

Time	Room 1447	Room 1456
4:00 – 4:30	Jeff Geronimo	Daniel H. Luecking
4:30 – 5:00	Tim Ferguson	Sherwin Kouchekian
5:00 – 5:30	Xuwen Chen	Grant Michael Boquet

Saturday, March 27

Time	Morning Session	Room
8:00 – 9:00	Check-in/Breakfast	Atrium
9:00 – 10:00	Tavan T. Trent <i>On the Taylor Spectrum of m-Tuples of Analytic Toeplitz Operators on the Polydisk</i>	1116
10:00 – 10:30	Neil Lyall <i>Simultaneous Polynomial Recurrence</i>	1116
10:30 – 11:00	Break	Atrium

Morning Parallel Sessions

Time	Room 1447	Room 1456
11:00 – 11:30	Armen Vagharshakyan	Samuel Elliott
11:30 – 12:00	Yen Do	Maria Carmen Reguera Rodriguez
12:00 – 2:00	Lunch	

Saturday, March 27

Time	Afternoon Session	Room
2:00 – 3:00	Sandra Pott <i>Toeplitz Operators on $H^1(\mathbb{T}^n)$ and Product Logarithmic Mean Oscillation</i>	1116
3:00 – 3:30	Break	Atrium

Afternoon Parallel Sessions

Time	Room 1447	Room 1456
3:30 – 4:00	Manfred Stoll	Ruhan Zhao
4:00 – 4:30	Gabriel Prajitura	Arthur A. Danielyan
4:30 – 5:00	Daniel Savu	Pavel Zheltov
5:00 – 5:30	Ronald A. Walker	Joseph A. Ball

Sunday, March 28

Time	Morning Session	Room
9:00 – 9:30	Morning Coffee/Light Refreshments	Atrium

Morning Parallel Sessions

Time	Room 1447	Room 1456
9:30 – 10:00	Michael Dritschel	Yun-Su Kim
10:00 – 10:30	William T. Ross	Nicholas A. Sedlock
10:30 – 11:00	Gary Sampson	Lijing Sun
11:00 – 11:30	Marius Beceanu	Cuneyt Cevik
11:30 – 12:00	Michael Lacey	Scott McCullough

To disseminate the results of the conference activities, a number of presentations, as well as all the abstracts, are posted on the conference website:
<http://conferences.library.gatech.edu/seam/index.php/seam/seam10/schedConf/presentations>

A Complete Accounting of the use of NSF funds

(GS = Graduate Student, PD = Post Doc)

Participant	Institutional Address	Amount of Support
Adzvieki, Kuzman (Prof)	South Carolina State University	230.00
Balasubramanian, Sriram (GS)	University of Florida	172.50
Bilyk, Dmitriy (Organizer)	University of South Carolina	345.00
Castillo, Miriam (GS)	University of Florida	345.00
Chen, Xuwen (GS)	University of Maryland, College Park	345.00
Condori, Alberto (PD)	Rose-Hulman Inst of Tech	955.30
Costea, Serban (PD)	McMaster University	971.35
Do, Yen (GS)	Univ of California, Los Angeles	754.90
Dobbs, Dan (GS)	University of Virginia	744.40
Elliott, Sam (GS)	University of Leeds	115.00
Ferguson, Tim (GS)	University of Michigan	481.90
Gamel, Matt (GS)	University of South Carolina	345.00
Jimenez, David (PD)	Texas A&M University	648.30
Kim, Yun-Su (PD)	University of Toledo	460.00
Kleski, Craig (GS)	University of Virginia	739.90
Kouchekian-Sabour, Sherwin (Assistant Professor)	University of South Florida	345.00
Kwessi, Eddy (GS)	Auburn University	345.00
Liu, Entao (GS)	University of South Carolina	345.00
Loreaux, Jireh (GS)	University of Cincinnati	183.72
Mitkovski, Mishko (PD)	Texas A&M University	684.10
Mittal, Meghna (GS)	University of Houston	407.50
Neophytou, Maria (GS)	Purdue University	738.55
Nikpour, Mehdi (GS)	University of Toledo	689.90
Patnaik, Sasmita (GS)	University of Cincinnati	157.90
Quertermous, Katie (GS)	University of Virginia	744.40
Ragupathi, Mrinal (PD)	Vanderbilt University	345.00
Richards, Trevor (GS)	University of Florida	172.50
Roybal, Roger (PD)	Calif State Univ, Channel Islands	345.00
Savu, Daniel (PD)	University of South Carolina	345.00
Schmitz, Rebecca (PD)	University of Minnesota	748.90
Sedlock, Nicholas (GS)	Washington University in St. Louis	345.00

Shen, Chun-Yen (GS)	Indiana University	345.00	
Spjut, Richard (GS)	Univ of California, Santa Barbara	115.00	
Sun, Lijing (PD)	University of Wisconsin-Milwaukee	345.00	
Wong, Manwah Lilian (PD)	University of Oklahoma	345.00	
Yang, Mingrui (GS)	University of South Carolina	345.00	
Yattselev, Maxym (PD)	Vanderbilt University	345.00	
Yu, Rui (GS)	University of South Carolina	330.00	
Subtotal			16,766.02
Speakers			
Beznosova, Oleksandra	University of Missouri, Columbia	811.50	
Knese, Gregory	University of California, Irvine	921.90	
Lyall, Neil	University of Georgia	479.00	
Paulsen, Vern	University of Houston	407.50	
Pott, Sandra	University of Glasgow	1,243.99	
Sawyer, Eric	McMaster University	704.94	
Trent, Tavan	University of Alabama	697.50	
Vershynin, Roman	University of Michigan	515.56	
Subtotal			5,781.89
Coffee Breaks/Refreshments		1,600.00	
Name Tags/Folders		147.59	
Subtotal			1,747.59
Total			24,295.50
NSF Funding			24,300.00

Information on Meeting

8 keynote speakers, 95 registered participants, for a total 103 attendees, 7 countries represented.

Countries	Number of Participants
Beirut	1
Canada	2
France	1
India	1
Lisboa	1
Turkey	2
United Kingdom	3