

KEYNOTE SPEAKER

OFFICE OF UNDERGRADUATE RESEARCH PRESENTS:

Transformative Learning Through Community-Based Research

Speaker: Trisha Thorme

Director, Community-Based Learning Initiative

PRINCETON UNIVERSITY

OVERVIEW:

By connecting undergraduate research to local issues, you can transform your students, your classrooms, and your community. Community-based research (CBR) combines both undergraduate research and service-learning and has been shown to be a high-impact practice. We'll delve into the origins of CBR, comparing and contrasting its principles and practices with traditional forms of research and service-learning. Powerful examples from a variety of institutions will illustrate what is involved in a successful project and lead you to think about the possibilities at your own institution and community. In addition to showcasing particular projects, we will consider a variety of strategies for getting started in CBR.

Friday, October 21st from 1:30 pm - 3:00 pm

PEGASUS BALLROOM, STUDENT UNION



SYMPOSIUM SCHEDULE

FRIDAY, OCTOBER 21st

11:00 am - 1:00 pm Registration

Pegasus Ballroom

1:00 pm - 1:30 pm Welcome and Orientation

Pegasus Ballroom - Black

Kimberly Schneider, Interim Assistant Dean, College

of Undergraduate Studies; Director, Office of Undergraduate Research

Emi Gonzalez-Luna, Peer Mentor, Office of

Undergraduate Research

1:30 pm - 3:00 pm KEYNOTE PRESENTATION

Pegasus Ballroom - Black

Transformative Learning Through Community-

Based Research

Trisha Thorme (Princeton University)

Introduction: Alvin Wang, Dean, The Burnett Honors

College

SPECIAL PLENARY 3:15 pm - 4:00 pm

Student Union, Pegasus Ballroom

Pipelining Diverse Undergraduate Researchers Into Graduate School

Breakout Room - Black

Michael Aldarondo-Jeffries and Natalia Toro

(University of Central Florida)

INTERACTIVE PRESENTATIONS

Student Union, Pegasus Ballroom

Cultivating Research Skills In Freshman And 4:15 pm - 5:00 pm

Sophomore Students at State Colleges Breakout Room - Black

Heather Edwards (Stetson University) and Sherry Savrda (Seminole State College)

Recording Perspectives Abroad and At-Home:

Giving Voice and the Process of Praxis

Breakout Room - Gold

Kimberly Reid and Adrienne Seitz

(Florida State University)

5:15 pm - 7:00 pm Poster Session and Reception

Burnett Honors College

7:00 pm Dinner On Your Own

See suggestions on page 22

SATURDAY, OCTOBER 22nd

Coffee and Conversation 8:15 am - 9:00 am

Burnett Honors College Lounge

8:15 am - 8:50 am Florida Undergraduate Research

Conference (FURC) - Open Planning Meeting

BHC 129

SPECIAL WORKSHOP

9:00 am - 10:00 am Community-Based Research: A Hands-On

> Workshop BHC 130

Trisha Thorme (Princeton University)

INTERACTIVE PRESENTATIONS

10:10 am - 10:55 am Making Scholarly Activity Available to the Masses: The Scaffolding of Scholarship Throughout the

Undergraduate Curriculum

BHC 126

Michael Savarese, Anna Carlin, Carolyn Culbertson, and Trent Brown (Florida Gulf Coast University)

Q&A Panel: Common Concerns About Undergraduate Research at State Colleges

BHC 128

Ashley Spring and Scott Herber (Eastern Florida State College)

11:05 am - 11:50 am **Integrating Undergraduate Research Projects in Learning Communities**

BHC 126

Allen Smith (Florida Atlantic University)

Mentoring Undergraduate Research in Education and Business: Transformation in Global and Local

Communities

BHC 128

Hulva Julie Yazici and Tunde Szecsi (Florida Gulf

Coast University)

SATURDAY, OCTOBER 22nd CONTINUED

12:00 pm - 12:45 pm Student Leadership: How to Leverage Peer-to-**Peer Outreach on Campus**

BHC 126

Aubrey Kuperman, Grayson Lanza, and Valerie Kessler (University of Central Florida)

The Stetson Undergraduate Research Experience: Over 25 Years of Undergraduate Research in **Mathematics and Computer Science**

BHC 128

Tom Vogel and Will Miles (Stetson University)

LUNCH 12:45 pm - 1:25 pm

Student Opportunities at Florida International 1:30 pm - 2:15 pm **University: A Snapshot**

BHC 126

Allen Varela and Jorge Torres (Florida International *University*)

The Good, the Bad, and the Ugly: Teaching **Undergraduates Best Practices in Conference Presentations**

BHC 128

LouAnne Hawkins (Leone & Hawkins Consultants) and Christopher Leone (University of North Florida)

2:25 pm - 3:20 pm The Undergraduate Research Count: Exploring **Different Approaches to Assess Student Involvement and Engagement**

BHC 130

Kimberly Schneider (University of Central Florida), Tracy Baker (Florida Atlantic University), and Latika Young (Florida State University)

3:20 pm - 4:00 pm Debriefing

BHC 130

ABSTRACTS | FRIDAY, OCTOBER 21st

KEYNOTE PRESENTATION

1:30 pm - 3:00 pm (Breakout Room - Black)

Transformative Learning Through Community-Based Research *Trisha Thorme (Princeton University)*

Introduction: Alvin Wang, Dean, Burnett Honors College

By connecting undergraduate research to local issues, you can transform your students, your classrooms, and your community. Community-based research (CBR) combines both undergraduate research and service-learning and has been shown to be a highimpact practice. We'll delve into the origins of CBR, comparing and contrasting its principles and practices with traditional forms of research and service-learning. Powerful examples from a variety of institutions will illustrate what is involved in a successful project and lead you to think about the possibilities at your own institution and in your community. In addition to showcasing particular projects, we will consider a variety of strategies for getting started in CBR.

PLENARY INTERACTIVE WORKSHOP

3:15 pm - 4:00 pm (Breakout Room - Black)

Pipelining Diverse Undergraduate Researchers Into Graduate School Michael Aldarondo-Jeffries and Natalia Toro (University of Central Florida)

Participation in structured research experiences and summer research programs are becoming increasingly important to successful admission into graduate programs. This presentation will focus on the link between structured research experiences and graduate school enrollment of underrepresented students. Examples of promising practices will be explored and participants will be provided with an opportunity to share success stories from their own campuses.

INTERACTIVE PRESENTATIONS

4:15 pm - 5:00 pm (Breakout Room - Black)

Cultivating Research Skills in Freshman and Sophomore Students

Heather Edwards (Stetson University) and Sherry Savrda (Seminole State College)

This presentation will relate how physics and mathematics faculty have worked with community college honors students to initiate the process of fostering future undergraduate researchers. The

goal of these experiences is to help students begin to develop not only investigative skills, but technical communication skills as well. Development and implementation of this initiative and success stories will be shared. This will be followed by an activity for attendees to develop potential ideas for implementing similar initiatives with freshman and sophomore level students at their institutions.

4:15 pm - 5:00 pm (Breakout Room - Gold)

Recording Perspectives Abroad and at Home: Giving Voice and the **Process of Praxis**

Kimberly Reid and Adrienne Seitz (Florida State University)

Conducting community-based research while participating in international service learning seems like the perfect match. Executing research in a responsible and critical manner, however, can prove to be challenging. In this interactive presentation, we will demonstrate how FSU is tackling this challenge through its Global Scholars program. We will outline effective strategies used over the past 5 years, as well as new ones we are just beginning to implement. These new strategies hope to continue the process of reflecting, acting, and dialoguing, i.e. praxis, that students engaged in while overseas and apply it to conducting community-based research upon returning home.

POSTERS

5:15 pm - 7:00 pm

(Burnett Honors College)

Promising Practices in Mentoring Minority Undergraduates in Research Floralba Arbelo (Carlos Albizu University)

Engaging post-traditional students of color in undergraduate research can be a challenging prospect for institutions. This poster presents a review of the literature which synthesizing effective practices that contribute to effective strategies and practices that are being used across the United States to mentor and guide undergraduate minority students through the research process.

The Impact of Undergraduate Research on Self-Beliefs

Tracy Baker (Florida Atlantic University)

Current literature supports self-efficacy, academic self-concept, and participation in undergraduate research as factors that influence the academic performance and aspirations of students. Although a gap in the literature remains: research has yet to explore whether students who have participated in research have a higher sense of academic self-concept and research self-efficacy than students who have not participated in research. The purpose of this study is to investigate the academic self-concept and research self-efficacy of undergraduate researchers and compare these self-beliefs to non-researchers, and to specifically examine differences in gender and field of study (e.g. STEM and non-STEM) among undergraduate researchers.

The Transfer Student Experience in the Undergraduate Research **Opportunity Program**

Alicia Batailles and Latika Young (Florida State University)

Transfer students encounter challenges that may result in low retention upon matriculation to a university (Fauria & Fuller, 2015; Duggan and Pickering, 2008). Additionally, transfer students have difficulty integrating into the research ecosystem with enough time to fully engage. Two years ago, FSU expanded its Undergraduate Research Opportunity Program (UROP) to target transfer students. These students engage in small, interdisciplinary colloquia, which are facilitated by UROP Leaders (often previous UROP transfer students). while also completing a research assistantship with a faculty mentor. This study presents a preliminary formative evaluation of the transfer student experience and outcomes of participation in UROP.

Expanding the Framework of Undergraduate Research and Education Stephanie Bingham, Flona Redway, Teresa Petrino-Lin, and Peter Lin (Barry University)

With the recent development of a service-learning research course at Barry University, the door to undergraduate community engagement with the goal of fostering a love of learning and scientific discovery has now opened. Undergraduate students facilitate science labs with teachers on weekdays, and lead mini science experiments during Saturday Academy at a local elementary school. The first year yielded a 30% increase in the schools science score and for the first time, entered projects in the regional science fair. This arrangement has been mutually beneficial: undergraduate participants are inspired and are more passionate about science.

Rousing Research: From Reading to Writing for Publications in **Undergraduate Honors in the Major Thesis**

Martha Garcia (University of Central Florida)

Since most of my classes consists of interdisciplinary majors and minors, research components have become a specific area of attention and interest from my part to obtain the necessary equilibrium in the four skills that I must cultivate in language courses. In view of this aim. I have been working on undergraduate thesis courses where students have had the opportunity to publish their contributions for the benefit of their peers. This publication in a topic selected by the student with the collaboration, support, and supervision of a group of faculty equips the undergraduate learner to succeed after graduation and beyond.

Book Reviews in Student Journals: An Academic Window

Hagai Gringarten and Raul Fernandez-Calienes (St. Thomas University)

In today's wired world, with so many different venues for student writers to distribute their research, the book review, an opportunity to share knowledge, remains an often forgotten and underestimated asset. Yet, for student writers, book reviews in

student journals offer many advantages and can open windows to future publishing opportunities. This poster presents the results of research into the presence and characteristics of book reviews in about 200 student journals across the United States.

Best Practices of the University of Central Florida Undergraduate Research Journal: Publicizing and Supporting Student Writing

Enrique Guerra-Pujol and Alexandra Stepanov (University of Central Florida)

This project looks at the University of Central Florida Undergraduate Research Journal and explores the functioning of this small university level publication. This poster will review the strategies used by the journal to market themselves, support student writing, and overcome the challenges of being an interdisciplinary journal.

Peer Mentorship and Involvement in Undergraduate Research

Kate Hayworth (Florida State University)

The Undergraduate Research Ambassadors (URA) at FSU use their prior research experience to mentor students setting up research assistantships with faculty. These one-on-one, peer-to-peer meetings help reduce the number of obstacles students face when getting started with research. This is especially valuable for students who may need additional encouragement and guidance. By conducting focus group interviews with URA mentees, this study seeks to better understand the mentoring experience and its encouragement of student involvement in research. Focus group questions aim to reveal what attracts students to undergraduate research, potential barriers to becoming involved, and suggestions for improving the mentor-mentee relationship.

Abstracting Student Learning Through an Undergraduate Research Symposium

Wesley Lewis (Embry-Riddle Aeronautical University)

In 2013, ERAU hosted its first campus-wide undergraduate research symposium. Since then, nearly 200 abstracts have been submitted and scored. Abstracts are scored using a rubric based on learning objectives related to six steps in the research process; defining a problem, designing a course of action, applying ethical principles, conducting research, reaching decisions based on evidence, and communicating results. Abstracts were analyzed to compare scores over each learning objective and by year. Based on analysis, intervention strategies have been developed to increase low-ranking learning objectives such as communication of results.

Teaching Research Ethics Through the Use of a Story

Janice Prince (Saint Leo University)

Although an important topic, engaging students in research ethics and highlighting its significance can be challenging. This critical issue is brought alive by engaging students in ethical decisions made by researchers, as discovered through a story. The account of Henrietta Lacks serves as a springboard to raise a variety of ethical questions, while challenging students to think through each one. This presentation will demonstrate how narrative can be used to highlight issues of concern to all researchers, regardless of discipline.

Strengthening Students Information Literacy Skills as They Develop Original Research Proposals in a Scientific Process Course

Kimberley Reycraft and Nora Demers (Florida Gulf Coast University)

Scientific Process is a required course for all undergraduate science majors at FGCU. In this course, students develop original research proposals on topics of their interest. Information literacy skills are critical as students must be able to use multiple sources of information to develop their proposals. Biology and library faculty have collaborated to add instruction and assignments addressing research question development, search strategy, citation management, and more. Our goal is to improve students' information literacy skills as well as the quality and quantity of citations in their final proposals. We will present on this initiative and our preliminary assessment results.

University of Miami Undergraduate Research Program

Maria Robertson (University of Miami)

The Office of Undergraduate Research connects University of Miami (UM) undergrads to faculty research mentors within UM. Our primary goal is to provide high quality service to our students and faculty mentors. Our process includes an online application, a large mentor database, a research preparation seminar and the opportunity for students to present at our annual Research, Creativity and Innovation Forum.

Introduction of Undergraduate Research Opportunities in an Intensive Preparatory Program for Incoming Freshmen Biology Students

Audrey Shor and Christopher Miller (Saint Leo University)

A pre-freshman year Biology Boot Camp experience was implemented in August 2012 to address underprepared incoming classes. The objective of which was to offer Biology majors a short, intensive preview of university-level skills and expectations. The end result models a well-rounded preview into the life and work balance for students. Aside from course content, experiences garnered during the program enable students to develop a learning community in which they thrive. Success workshops contribute to this, namely early

exposure to undergraduate research opportunities. A description of the program, impacts on retention, and growth in early undergraduate research opportunities will be described.

The L.E.A.R.N. Consortium: A Three-institution Initiative to Impact STEM Retention of Freshmen and Transfer Students Through Research Communities

Colleen Smith, Kimberly Schneider (University of Central Florida) and Jodiene Johnson (Florida Atlantic University)

With the national emphasis on increasing STEM retention, there is a need to establish retention models designed to be adaptable to varying types of students and institutions. We will present how three institutions intend to collaboratively implement and assess a STEM retention model targeting freshmen and transfer students through building research communities for small groups of students.

Using Flipped Class to Increase Student Engagement and Problem Solving in Physics for Engineers

Vikas Sudesh (Embry-Riddle Aeronautical University)

Physics for Engineers II (PS 160), a gateway course to Engineering at Embry Riddle, is a high DFW course. There are many students who are failing and possibly repeating the course. Sometimes students are forced to change their Major because they aren't engaged early enough so that they feel comfortable in passing the course. I will present the success story of a modified Flipped Class (MFC) course, which was funded by the CTLE.

Promoting Undergraduate Research Within Aviation

Scott Winter, Ismael Cremer, and Brooke Wheeler (Florida Institute of Technology)

Aviation was once primarily focused on career and technical education (CTE), but is now seeing further advancements due to the growth of scholarly research as well as the expansion of sub-disciplines, including safety, environmental science, and human factors. The Florida Institute of Technology utilizes a quality enhancement program (QEP) to promote undergraduate research. Within the last 3 years, enrollment in this undergraduate aviation research course has quadrupled, and approximately two-thirds of students have published their research in conferences or journals. The purpose of this poster is to present lessons learned, best practices, and recommendations for other STEM related undergraduate programs.

ABSTRACTS | SATURDAY, OCTOBER 22nd

9:00 am - 10:00 am (BHC 126)

Community-Based Research: A Hands-On Workshop

Trisha Thorme (Princeton University)

This session will provide practical insights for developing a CBR project involving undergraduate students. We will think through the key steps in a CBR project involving undergraduates identifying an appropriate project and partner, finding a disciplinary connection, connecting the project to your learning objectives, preparing your students for the project, structuring the CBR experience, and assessing the impact of the project after its completion. You'll come away with concrete experience developing assignments, structuring projects, and troubleshooting problems.

INTERACTIVE PRESENTATIONS

10:10 am - 10:55 am (BHC 126)

Q & A Panel: Common Obstacles in Undergraduate Research at State Colleges

Ashley Spring and Scott Herber (Eastern Florida State College)

Creating an undergraduate research program at a state college is challenging because the educational focus is on excellence in core classes necessary for transfer to universities or direct employment. However, there is a rapidly-increasing need for undergraduate students to conduct research to be competitive applicants for graduate schools and careers. The interactive panel discussion will present and further discuss successful methods for creating a research culture at state colleges, including obtaining short-term and long-term administrative support, securing short-term and long-term funding, developing research courses, marketing to stakeholders, and creating a college-wide research culture.

10:10 am - 10:55 am (BHC 128)

Making Scholarly Activity Available to the Masses: The Scaffolding of Scholarship Throughout the Undergraduate Curriculum

Michael Savarese, Anna Carlin, Carolyn Culbertson, and Trent Brown (Florida Gulf Coast University)

Florida Gulf Coast University's Quality Enhancement Plan focuses on improving student critical thinking, information literacy, and written communication. Rather than developing these skills through traditional methods, these learning outcomes are practiced through scholarly experiences throughout the curriculum, and scaffolded to build greater depth and sophistication. Presented are examples from

SATURDAY, OCTOBER 22nd CONTINUED

STEM (marine science) and the humanities (music performance), along with preliminary assessment data suggesting that this approach improves skills within these outcomes. We anticipate these improvements will increase graduates life-long learning potential. Participants in the session will have the opportunity to develop scholarly elements within their own courses.

11:05 am - 11:50 am (BHC 126)

Integrating Undergraduate Research Projects in Learning Communities Allen Smith (Florida Atlantic University)

Early exposure to research fundamentals provides the scaffolding experience required for undergraduate students to engage more sophisticated research projects. Is it too early to introduce research assignments into a freshman learning community? Are there helpful strategies enabling freshman to be effective, curious, ethical, and proud of their research experience? The interactive presentation provides examples, issues, and strategies for integrating research projects into a freshman learning community experience. Insights are grounded in years of experience with freshman business learning communities yet provide a forum for exploring the more or less generalizable opportunity to engage any learning community members in research activities.

11:05 am - 11:50 am (BHC 128)

Mentoring Undergraduate Research in Education and Business: Transformation in Global and Local Communities

Hulva Julie Yazici and Tunde Szecsi (Florida Gulf Coast University)

The purpose of this presentation is to highlight avenues toward undergraduate scholarship in education and business. The common theme of these initiatives is the transformative learning which students experienced in local and global communities. In education. the examples include a course-embedded action research with community service, and auto-ethnography in which students analyzed their experiences abroad to uncover the process of transformation. In business, students worked on a semester long project in quality management collaborating with a local health equipment manufacturer. The systematic guidance of the business and continuous feedback of the instruction, resulted in full transformation of student learning.

SATURDAY, OCTOBER 22nd CONTINUED

12:00 pm - 12:45 pm (BHC 126)

Student Leadership: How to Leverage Peer-To-Peer Outreach to Spread the Word

Aubrev Kuperman, Gravson Lanza, and Valerie Kessler (University of Central Florida)

The Office of Undergraduate Research has three separate opportunities for current undergraduate researchers to assume a leadership role and assist their peers in getting started in research. This presentation will lav out three models for student leadership in undergraduate research: peer mentors/student teaching assistants in a three-day introduction to research course, student assistants who host peer mentor advising hours throughout the academic year, and a Student Council who focus on outreach across campus and advisory capacity. This session will provide an overview of these programs, and students will share their experiences as mentors in the programs.

12:00 pm - 12:45 pm (BHC 128)

The Stetson Undergraduate Research Experience: Over 25 Years of **Undergraduate Research in Mathematics and Computer Science** Tom Vogel and Will Miles (Stetson University)

For over 25 years Stetson University has required every undergraduate student within the College of Arts and Sciences to engage with a capstone undergraduate research project as a requirement for graduation. Over these couple of decades the Mathematics and Computer Science department has engaged with individual research projects for several hundred students. This talk will focus on Mathematics and Computer Science undergraduate research from the perspective of mentored research at a small institution. This talk will identify successful outcomes that stem from effective undergraduate research such as peer reviewed publication, improved written and verbal communication skills, and enhanced interdisciplinary learning.

1:30 pm - 2:15pm (BHC 126)

Student Opportunities at Florida International University: A Snapshot Allen Varela and Jorge Torres (Florida International University)

The Honors College (HC) was asked by the FIU Provost to take the lead in creating an innovative culture for undergraduate research at FIU. Our presentation is about how two of the elements of HC's successful research program have been expanded university-wide: our Conference for Undergraduate Research (CURFIU) and our research opportunity database, the FIU Undergraduate Research Portal. The creation of this database provides an interactive site with information about research opportunities, conferences, scholarships, and a subscription system for students. We also discuss the challenges we face as we try to promote undergraduate research in an environment of limited resources.

SATURDAY, OCTOBER 22nd CONTINUED

1:30 pm - 2:15pm (BHC 128)

The Good, the Bad, and the Ugly: Teaching Undergraduates Best **Practices in Conference Presentations**

LouAnne Hawkins (Leone & Hawkins Consultant) and Christopher Leone (University of North Florida)

How many of us have attended research presentations - even at professional conferences - that were painful to watch? Few faculty are aware of best practices and even fewer students are properly trained in this method of communicating research findings. Most of us - for better or worse - just adopt our former professor's presentation style. Yet the Council on Undergraduate Research (2012) stresses the importance of undergraduates disseminating their research findings at conferences. This interactive presentation will familiarize faculty and staff with the most effective methods for making presentations and creative ways in which students may learn these practices.

2:25 pm - 3:20pm (BHC 130)

The Undergraduate Research Count: Exploring Different Approaches to Assess Student Involvement and Engagement

Kimberly Schneider (University of Central Florida), Tracy Baker (Florida Atlantic University), and Latika Young (Florida State University)

Determining how many students are involved in undergraduate research is challenging. Universities have used a variety of metrics to quantify participation including surveys, course enrollment data or program counts, self-reporting of students and/faculty, and campuswide databases. This panel will discuss each type of "counting" system and evaluate the merits and potential costs of each.

ACKNOWLEDGEMENTS

Florida Statewide Symposium: Engagement in Undergraduate Research

SYMPOSIUM PLANNING COMMITTEE:

Kimberly Schneider

Interim Assistant Dean, College of Undergraduate Studies Director, Office of Undergraduate Research

Martin Dupuis

Associate Dean, Burnett Honors College

Vanessa McRae

Director, Research and Community Engagement, Burnett Honors College

Richard Harrison

Associate Librarian, UCF Libraries

Michael Aldarondo-Jeffries

Director, Academic Advancement Programs

Aubrey Kuperman

Coordinator, Office of Undergraduate Research

Shannon Colon

Administrative Assistant, Office of Undergraduate Research

Luke Hogue

Event Management Intern, College of Undergraduate Studies

Florida Statewide Symposium: Engagement in Undergraduate Research

MANY THANKS TO:

Mark Bennett

Senior Web Designer, College of Undergraduate Studies

Ryland DeGregory

Systems Administrator, College of Undergraduate Studies

Elizabeth Doolev

Vice Provost of Teaching and Learning and Dean of College of Undergraduate Studies

Jack Christensen Fedora

Systems Administrator, College of Undergraduate Studies

Valerie Kessler

Program Assistant, Office of Undergraduate Research

Ricky Rodriguez

Graphic Designer, College of Undergraduate Studies

Alexandra Stepanov

Associate Editor, Undergraduate Research Journal

Brian Strickland

Senior Programmer, College of Undergraduate Studies

Alvin Wang

Dean, Burnett Honors College

Burnett Honors College

College of Undergraduate Studies Technology Team

Student Union

Symposium Participants and Guests

SYMPOSIUM PARTICIPANTS

Michael Aldarondo-Jeffries

Floralba Arbelo Gina Astorini Tracv Baker Alicia Batailles Mary Beck

Karene Best

Stephanie Bingham

Trent Brown Anna Carlin Travis Conradt Carolyn Culbertson Kristopher Davis Eda Davis-Lowe Enrique del Barco C. Lvnn Dorn Frances Duvall Kelsev Eagen

Heather Edwards R. Fernandez-Calienes

Elena Flitsiyan Eric Freundt Martha Garcia Hagai Gringarten Enrique Guerra-Pujol Richard Harrison LouAnne Hawkins Kate Hayworth Hamid Hefazi Gordon Henry

Scott Herber Florencio Eloy Hernandez Julie Hinkle Jamil Johnson Jodiene Johnson Sarah Johnson Anna Marie Jones Valerie Kessler Birgitta Kimura Aubrey Kuperman Patrice Lancey Gravson Lanza Christopher Leon Wesley Lewis Peter Lin **Zholey Martinez** Aleiandra Maruniak

Rebekah McCloud

Vanessa McRae Will Miles

Christopher Miller Eduardo Mucciolo

Udav Nair

University of Central Florida Carlos Albizu University University of Miami Florida Atlantic University Florida State University

Valencia College Valencia College Barry University

Florida Gulf Coast University Florida Gulf Coast University Florida Institute of Technology Florida Gulf Coast University Florida Solar Energy Center

Valencia College

University of Central Florida

Valencia College Stetson University University of North Florida Stetson University St. Thomas University University of Central Florida The University of Tampa University of Central Florida St. Thomas University University of Central Florida

University of Central Florida Leone & Hawkins Consultants Florida State University Florida Institute of Technology University of Central Florida Eastern Florida State College University of Central Florida University of Central Florida University of Central Florida Florida Atlantic University Bethune-Cookman University Univeristy of Central Florida University of Central Florida

Santa Fe College

University of Central Florida University of Central Florida University of Central Florida University of North Florida

Embry-Riddle Aeronautical University

Barry University

University of Central Florida

Santa Fe College

University of Central Florida University of Central Florida

Stetson University Saint Leo University

University of Central Florida University of Central Florida Peggy Nuhn Judy Ortiz

Teresa Petrino-Lin Janis Prince Flona Redway Kimberly Reid Kimberly Reycraft Maria Robertson Lindsav Rushworth Amanda Russell Suha Saleh

Patricia Sampedro Michael Savarese Sherry Sayrda Panagiotis Scarlatos Kimberly Schneider Adrienne Seitz

Audrey Shor Elzbieta Sikorska Simmons

Allen Smith Ashley Smith Colleen Smith Jennie Soberon Ashlev Spring Alexandra Stepanov Vikas Sudesh

Tunde Szecsi Margaret Taylor Ken Teter

Jorge Torres Allen Varela Tom Vogel

Brooke Wheeler Scott Winter Chrysalis Wright Julie Yazici Latika Young

University of Central Florida University of Central Florida

Saint Leo University Barry University Florida State University Florida Gulf Coast University University of Miami University of Central Florida

Valencia College

Barry Univeristy

University of Central Florida Florida Atlantic university Florida Gulf Coast University Seminole State College Florida Atlantic University University of Central Florida Florida State University Saint Leo University

University of Central Florida Florida Atlantic University University of North Florida University of Central Florida Florida Atlantic University Eastern Florida State College University of Central Florida

Embry Riddle Aeronautical University

Florida Gulf Coast University Florida Southern College University of Central Florida Florida International University Florida International University

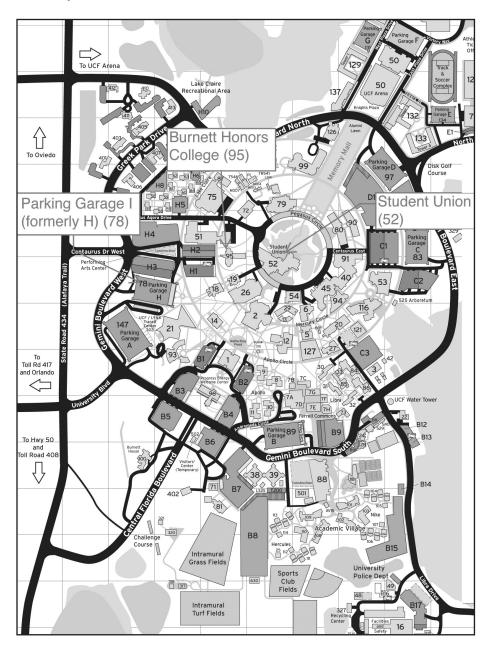
Stetson University

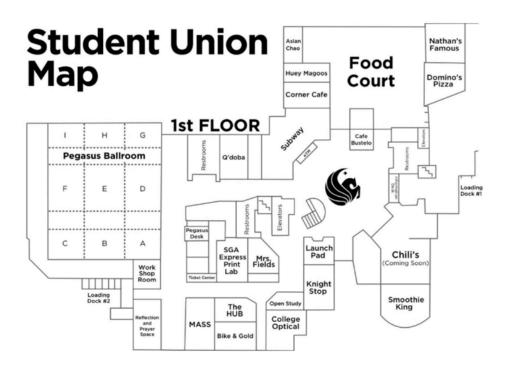
Florida Institute of Technology Florida Institute of Technology University of Central Florida Florida Gulf Coast University Florida State University

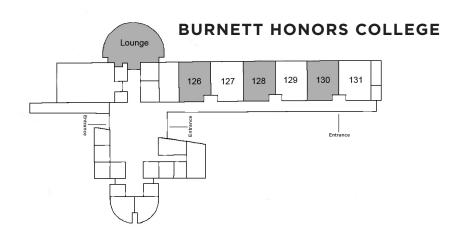
MAPS & LOCATIONS

UNIVERSITY OF CENTRAL FLORIDA MAP

Student Union (52), Burnett Honors College (95), and Parking Garage I (formerly H) (78)







MAPS & LOCATIONS

Vicinity Map and Dinner Suggestions



UCF Student Union & Campus (#1 on map)

Asian Chao (Asian)

Balagan (Eastern Mediterranean Cuisine)

Café Bustelo (Cuban)

Chick-Fil-A (American)

Corner Cafe (Panini's and Wraps)

Domino's Pizza Express (Italian)

Greens Salad Bar (Salad and Wraps)

Huey Magoo's Express (Chicken)

Joffrey's Coffee (Beverages)

Knightstop (Convenience Store)

Field's Bakery (Greek Cuisine and Desserts)

Nathan's Famous (Hot Dogs)

Qdoba (Mexican Grill)

Smoothie King (Smoothies)

Subway (Sandwiches)

UCF Restaurants (#2 on map)

Gemini Blvd. + N. Orion Blvd.

Barnes & Noble Cafe

Burger U (Sports Bar and Grill)

Domino's Pizza (Italian)

Dunkin Donuts (Pastries)

Jimmy John's (Sandwiches)

Kyoto Sushi and Grill (Japanese)

Subway (Sandwiches)

University Blvd Restaurants (#3 on map)

Applebee's (American)

Bar Louie (American)

Bento (Japanese)

Blaze (Pizzeria)

Buffalo Wild Wings (Sports Bar)

Chicken Salad Chick (American)

First Watch UNIVERSITY OF

CENTRAL FLORIDA (American)

Habanero's (Mexican)

Lazy Moon (American)

Logan's Roadhouse (Steakhouse)

4 Rivers Smokehouse (Barbecue)

Ruby Tuesday (American)

Panera (American)

Steak 'n Shake (American)

Spoleto (Italian)

University Commons (#4 on map)

Alafaya Tr. + Gemini Blvd. N

B2 Cafe (Sandwiches and Bagels

2

Flipper's (Pizza)

Baja Fresh (Mexican)

Luya (Chinese)

McAllister's Deli (American)

Sus Hi Eatstation (Japanese)

University Palms Shopping Center (#5 on map)

Alafaya Tr. + McCulloch Rd.

Dragon Court (Chinese)

Giovanni's (Italian)

KeKe's (American Brunch)



FURC 2017

Florida Atlantic University Boca Raton, FL FEBRUARY 24-25

Submit Your Abstract

Abstract Deadline
JANUARY 11, 2017

Conference registration runs from October 1, 2016 through January 23, 2017 for early registration rate (late registration until February 6, 2017).

For more information visit www.furc.org



OFFICE OF UNDERGRADUATE RESEARCH AND INQUIRY Florida Atlantic University





Office of Undergraduate Research

College of Undergraduate Studies University of Central Florida Technology Commons II, 209 (407) 823-3125 fax: (407) 823-5115 www.OUR.ucf.edu OUR@ucf.edu