

The UNIVERSITY OF MIAMI  
School of Architecture and  
Center for Computational Science  
present:

April 5-6

conference

# SmartCities MIAMI 2018

presented by

**Hotwire**  
COMMUNICATIONS

workshop  
Hacking  
Main Street





Day One

# Agenda

Thursday April 5

Jorge M. Pérez Architecture Center

Stanley and Jewell Glasgow Lecture Hall  
University of Miami School of Architecture  
1223 Dickinson Drive, Coral Gables, FL 33146

- 10:00 AM Registration Opens | Coffee Exhibits • Irvin Korach Gallery
- 11:30 AM Framing the Conversation  
Dean Rodolphe el-Khoury  
Glasgow Lecture Hall
- PANEL 1**
- 12:00 AM Design and Desire:  
Beyond the Practical City
- 1:00 PM Lunch + Exhibits
- PANEL 2**
- 2:30 PM Mapping the Hyper-Connected City:  
Perils and Opportunities
- 3:30 AM Coffee Break
- 4:00 PM **PANEL 3**  
Smarter Cities: From Efficiency to  
Resilience and Sustainability
- 5:30 PM **KEYNOTE SPEAKER**  
David Benjamin
- 6:00-7:30 PM Networking Reception  
Irvin Korach Gallery

**Livestream** <https://youtu.be/iinTzRO6jTY>

## Welcome

Smart Cities Miami 2018 presented by Hotwire explores the convergence of technology, design, and development in the shaping of a new urban landscape transformed by disruptive innovation. Join us for conversations with social scientists, humanists, engineers, administrators, and citizens, as we contemplate a future of hyper-connected environments and lifestyles.

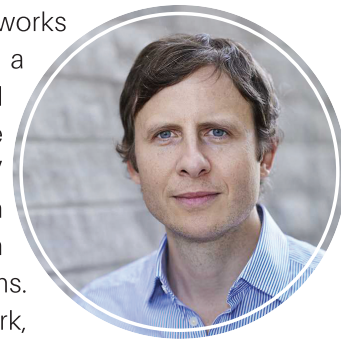
The Conference gathers leaders in academia, professional practice, and industry to examine the Smart Cities phenomenon in relation to emerging trends and technology. The focus is on infrastructure and the built environment, as well as new potentials for business and governance.

The University of Miami aligns cutting-edge research in urban planning, architecture, and engineering with computational resources and analytical expertise to aid in the design and development of more sustainable, livable, and resilient cities.

### Keynote Speaker

## David Benjamin

David Benjamin is founding principal of The Living and assistant professor at Columbia GSAPP. His work focuses on expanding the definition of environmental sustainability through the frameworks of biology, computation, and a circular economy. Recently, David appeared in Rolling Stone as one of “25 People Shaping the Future,” and The Living was ranked third on Fast Company’s list of World’s Ten Most Innovative Architecture Firms. Clients include the City of New York, Seoul Metropolitan Government, Google, Nike, 3M, Airbus, BMW, Frost Science, and Björk.



Recent projects include:

- » Princeton University Embodied Computation Lab—a new building for research on robotics and IoT
- » Pier 35 EcoPark—a 200-foot-long floating pier in the East River that changes color according to water quality
- » Hy-Fi—a branching tower for MoMA PS1 made of a new type of biodegradable brick

# Panels

## Design & Desire Beyond the Practical City

Smart Cities efforts are generally focused on problems of optimization and efficiency. The Design and Desire panel explores other areas of application that are driven by a different set of priorities to expand the scope and potential of technology in enhancing urban experience.



### **MODERATOR** Rodolphe el-Khoury

Dean of UM School of Architecture, [@rudyelkhoury](#) is also UMCCS Smart Cities program director, and an award-winning design partner in Khoury Levit Fong.



### Amanda Sanfilippo [fringeprojectsmiami.com](#)

A contemporary art specialist, [@amandasanfilippo](#) is Curator for Art in Public Places, Miami Dade County, and Director and Chief Curator at Fringe Projects.



### Ivan Toth Depeña [ivandepena.com](#)

[@depenastudio](#) | An award-winning, multi-media artist with a Masters in Architecture from Harvard Graduate School of Design, working at the interface of disciplines.



### Nasrine Seraji [seraji.net](#)

[@nasrineseraji](#) is Founder and Principal of Atelier Seraji Architectes et Associés, and Prof. and Head of the University of Hong Kong Dept. of Architecture.



### Jordan Geiger [jordangeiger.com](#)

[@jordangeiger](#) is the Director of Jordan Geiger Large Interaction Design and Research, and an Assistant Professor of Architecture at University at Buffalo (SUNY).

[#smartcitiesmiamiQ](#)

to submit questions to the panelists

## Mapping the Hyper-Connected City Perils and Opportunities

The Mapping the Hyper-Connected City panel brings perspectives from geography, urban theory, cartography, and the humanities to critically explore challenges and opportunities in digitizing the city.



### **MODERATOR** Leigh-Ann Buchanan, Esq.

As founding Executive Director of Venture Café Miami, Leigh-Ann works to facilitate greater connectivity within Miami's innovation and entrepreneurial community.



### Allison Schifani [cargocollective.com/speccities](#)

[@aschifani](#) is a founding member of SPEC, an urban research & design collaborative, and an Assistant Professor of Digital Humanities at UM.



### Elizabeth Plater-Zyberk [dpz.com](#)

Malcolm Matheson Distinguished Prof. of Architecture and Dir. of the Master of Urban Design Program. Former Dean of the School of Architecture (1995-2013).



### Danielle Ungermann [codefor.miami](#)

UM alum [@ungerwoman](#) is a Co-Captain at Code for Miami, Product Marketer for BrightGauge Software, and a curator of Startup Digest Miami.



### Richard Grant [Director of Urban Studies](#)

An urban economic geographer, author, and UM Prof., Dr. Grant's research includes immigrant entrepreneurship, sustainable urban development, and slum economies.

## Smarter Cities From Efficiency to Resilience and Sustainability

The Smarter Cities panel presents and discusses emerging applications of the Internet of Things, Artificial Intelligence, and environmentally sustainable technologies, in the context of a global and intensifying urbanization.



### **MODERATOR** Jay Massirman

[@JayMass](#) is President of Rivergate Companies (real estate holding) with active partners in self-storage, and in multifamily development and investment.



### Audrey Levi [inacomp.net](#)

Audrey is Executive VP, Business Development, for Inacomp Technology Solutions Group, aligning IT, processes, and people to business goals.



### Rodrigo Arboleda [fastrackinstitute.org](#)

Rodrigo is the CEO and co-founder of Fastrack Institute, a nonprofit entity whose purpose is to accelerate exponential technologies into societies.



### Jim Slattery [gethotwired.com](#)

Sr. VP of Advanced Technologies for Smart Cities Miami 2018 presenting sponsor Hotwire Communications, Jim is an industry technology authority.



### Andrea Calace [cisco.com](#)

Cisco IoT & Smart City Business Development Americas Sr. Manager, Andrea helped make Cisco the smart cities innovation & solutions industry leader.



### Matthew Zirkelbach [runbrook.com](#)

[@mattzirkelbach](#) is president and co-founder of RunBrook and SustainaBase.com, and creator of proprietary sustainability metrics technology.

# Day 2 Workshop

## Hacking Main Street

How can technology enhance public space?

The "Hacking Main Street" Workshop will look into the design and development of sensors with a built-in capacity to deliver information at the point of data collection. The main idea revolves around the general theme of turning the "under the hood" processes of data collection and digital connectivity into on-site visualizations carrying intelligible messages.

The smart city we envision communicates the information it generates from its ubiquitous sensors at every opportunity, as an integral feature of the built environments, rather than through dashboards on desktop computers or smart devices. The goal of these systems is to heighten awareness, which could result in a cultural shift, as well as an immediate behavioral response. To this end, participants in this workshop will team up to ideate and produce a concept (for system that delivers information at the point of data collection) related to any domain of public life, from entertainment to sea-level rise to health.

Experts from the University of Miami will kick off the workshop with short presentations of key areas for consideration when designing these systems.



Day Two

## Agenda

Friday April 6

Jorge M. Pérez Architecture Center  
Irvin Korach Gallery  
University of Miami School of Architecture  
1223 Dickinson Drive, Coral Gables, FL 33146

- 8:30 AM Registration Opens  
Group Assignments  
Breakfast
- 9:00 AM **FRAMING THE SCOPE**  
(10 minute Presentations)
- 10:00 AM Coffee Break
- 10:15 AM **HACKING MAIN STREET**  
Team Concept Design
- 12:30 PM Lunch (provided)
- 1:00 PM **GROUP PRESENTATIONS**
- 1:50 PM Awards + Closing Remarks

Livestream [https://youtu.be/3vz0oE9z3\\_8](https://youtu.be/3vz0oE9z3_8)



# Exhibits

Irvin Korach Gallery



## City of Coral Gables Smart Initiatives

[coralgables.com/IT](http://coralgables.com/IT)

Christopher Cowen | Raimundo Rodulfo



The City of Coral Gables promotes the development of a smart city ecosystem that fosters innovation by bringing together through technology People; Businesses, Organizations; Things and Systems. The smart city execution plan is defined by the components of transparency, value creation; open data and analytics; actionable information, efficiencies; citizen engagements, mobility, accessibility; crowd sourcing; inclusion and collaboration. This smart city strategic plan implements several elements that include: a Data Marketplace, an Application Store, Transparency Portals, a Crime Intelligence Center; Data platforms, IoT, and a robust infrastructure with high-speed communications, and resilience. For more information, please visit the City of Coral Gables Information Technology page at <http://www.coralgables.com/IT>



## SMART CITIES PRESENTING SPONSOR

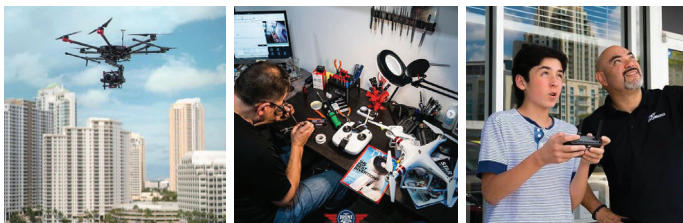
### Hotwire Communications

[hotwirecommunications.com](http://hotwirecommunications.com)

Heather McAuley



Hotwire Communications is an industry leader in providing up to 10 Gigabit connectivity and streaming video solutions to HOA, multi-family and multi-tenant communities. We offer state-of-the-art technology, superior white-glove customer care, and a full suite of bundled telecommunication services to residential, commercial, hospitality, Government and student living environments through our Fision® Home, Work, Stay, Encore, Government, and U divisions.



## Drone Nerds of Pinecrest

[dronenerds.com](http://dronenerds.com)

Nelson Salazar | Samantha Salazar  
Kevin Cahill | Steven Urbina



Drone Nerds of Pinecrest is a DJI certified dealer, specializing in sales of DJI drones and accessories. We offer flight training, and we repair all drones on site: 9705 S Dixie Hiwy, Miami.

1-888-258-4336 | 786-313-3664 | [@dronenerdspinecrest](https://www.instagram.com/dronenerdspinecrest)



## RAD-UM Lab

[rad-um.com](http://rad-um.com)

Chris Chung | Zhenrong Hu | Dylan Rzepka  
Pratyush Rustagi | Gabriel Soomar



RAD-UM provides resources and expertise for project-based research on the spatial ramifications of embedded technology and ubiquitous computing. The research is premised on the notion that every building or landscape component can be equipped with computational power.



## GO+Lighting Service by Itecom USA

[getgoplus.com](http://getgoplus.com)



Chris Zanyk | Juan Bauza

GO+ Lighting Service makes energy efficiency a reality for Municipalities, campuses, and large commercial properties. GO+ offers a full turnkey service to retrofit all of your lighting to LED technology, and provides an on-going maintenance and support service for several years after the lighting upgrade, all included in the original cost.



## Zing Rides

[zingrides.com](http://zingrides.com)

Candice Saffer

Ride Sharing for Kids



Zing Rides is a environmentally conscious ride sharing company for kids, educating them on the benefits reducing the carbon footprint in the air having less cars on the road. We provide a platform where communities organize their kids' carpooling needs according to where the parent driver or caregiver driver is headed.



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SCHOOL of  
ARCHITECTURE



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