

INCUBATING INNOVATION IN PRACTICE:

Models from Architecture, Engineering, and Landscape Architecture

Monday October 23, 2017 (1:30 PM – 3:00 PM) ASLA education session (MON-C04)

SUMMARY

As our cities and environments become more complex and face unprecedented challenges, it is no longer sufficient to provide typical design services. It requires offering research, foresight, innovation, and evaluation. Join three firms in allied fields that have built dedicated teams to tackle these themes and inform their practice.

LEARNING OBJECTIVES

- Understand what factors initiated the formation of distinct research and innovation teams within firms across the AEC industry.
- Learn about mechanisms AEC firms use to fund research and innovation work.
- Discover how AEC firms identify and prioritize research themes or issues.
- Explore effective methods of research project execution.

NOTES

ASLA
LA2017

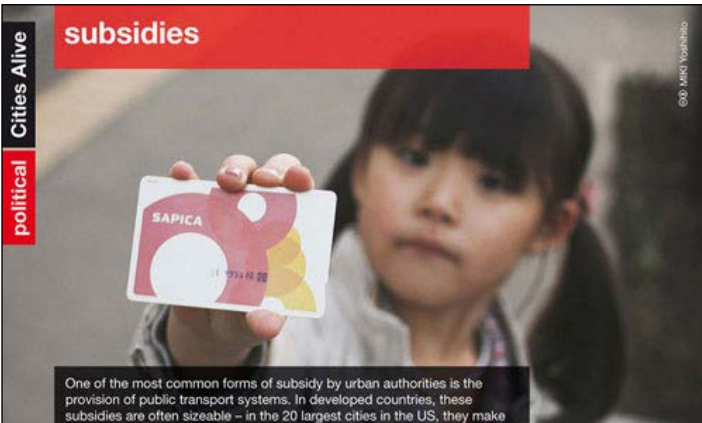
Annual Meeting
and EXPO

Los Angeles
October 20-23

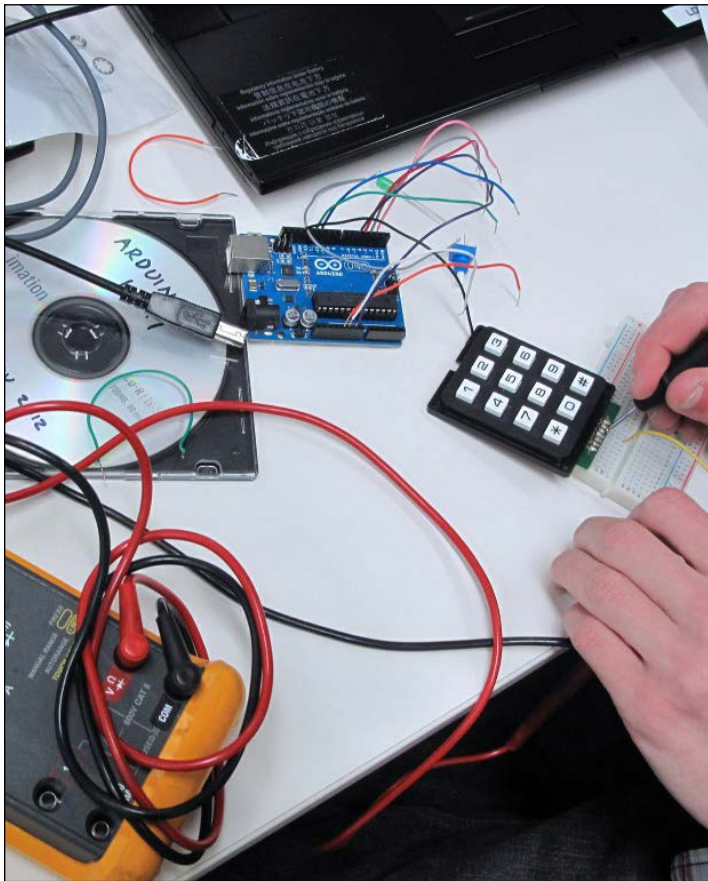


FRANCESCA BIRKS
 Associate and Americas Lead
 ARUP Foresight + Research + Innovation
 New York, NY

Francesca Birks leads Foresight + Research + Innovation for Arup Americas. She plans and facilitates strategic design engagement processes and visioning workshops for several of Arup’s businesses and external clients. She is the editor-in-chief of Arup’s first digital magazine in the Americas, Doggerel, focused on design and innovation in the built environment. Francesca is particularly interested in design strategy, innovation management, strategic ventures, human-centered design, design thinking and in engaging public stakeholders in collaborative design processes to improve the outcomes.



Cities Alive



Arup Explores



SIERRA BAINBRIDGE
 Senior Director
 MASS Design
 Boston, MA

Sierra began work with MASS in 2008 focusing on the landscape architecture, and joined full time in 2009 to finalize design and oversee implementation of the Butaro Hospital, MASS's first project. Currently Sierra directs the ongoing design and implementation of MASS's planning and architectural projects and is currently overseeing The Kayanja Center, an academic facility supporting rural health care delivery and research in Uganda, a number of African Conservation Schools in DRC, Tanzania, Zambia, and Rwanda, and the Butaro Hospital Expansion Plan, among others. Those completed include Butaro Hospital, the Umubano Primary School, the Butaro Doctors' Housing, and the Butaro Ambulatory Cancer Center.



Maternity Waiting Village Evaluation

with representatives from the facility, including clinical directors, nurse managers, and operations managers. The research team designed a structured site visit guide to provide a standardized organization to each visit and ensure all research questions were discussed with each facility team. Each site visit lasted approximately three hours including an introductory conversation to understand the history of the building and facility, a facility tour following the patient pathway through the unit or birth center, and a brief of the tour to understand the way different observed design features impact the provision of care. During the tour, an architect member of the research team photographed key areas and updated annotations to the floor plans. The team also audio recorded the full visits for subsequent thematic analysis.

Above
 Geographic distribution of facilities selected for site visits and phone interviews

Below
 Floor plan submission instructions provided to facilities

Plan Submission on Instructions

Thank you for participating in this study and providing us with a floor plan of your facility. The research team will use your floor plan to help us understand how the design of your facility impacts the way you provide care. We will use the information to help us understand how the design of your facility impacts the way you provide care.

Part 1

CHECK FOR TECHNICAL REQUIREMENTS OF FLOOR PLAN

Be sure the floor plan meets the following requirements:

- 1. The floor plan must be a clear, legible drawing of the facility.
- 2. The floor plan must be a clear, legible drawing of the facility.
- 3. The floor plan must be a clear, legible drawing of the facility.
- 4. The floor plan must be a clear, legible drawing of the facility.
- 5. The floor plan must be a clear, legible drawing of the facility.
- 6. The floor plan must be a clear, legible drawing of the facility.
- 7. The floor plan must be a clear, legible drawing of the facility.
- 8. The floor plan must be a clear, legible drawing of the facility.
- 9. The floor plan must be a clear, legible drawing of the facility.
- 10. The floor plan must be a clear, legible drawing of the facility.

Plan Submission on Instructions

Part 2

NOTE FLOOR PLAN DETAILS AND SPACE USES

Be sure to include the following information in your floor plan:

- 1. Room names and numbers.
- 2. Room numbers and names.
- 3. Room numbers and names.
- 4. Room numbers and names.
- 5. Room numbers and names.
- 6. Room numbers and names.
- 7. Room numbers and names.
- 8. Room numbers and names.
- 9. Room numbers and names.
- 10. Room numbers and names.

Designing capacity for high value care: The impact of design of clinical care in childbirth



ANYA DOMLESKY

Associate and Co-lead for XL: Experiments in Landscape and Urbanism
SWA Group
Sausalito, CA

Anya Domlesky is a designer in SWA Group’s Sausalito studio who co-leads XL: Experiments in Landscape and Urbanism, SWA’s Innovation Lab. Anya focuses on regional and environmental planning and landscape-driven urban design. She has worked largely on coastal issues, water, and urbanization—in Belgrade, the Bay Area, Haiti, Louisiana, the Great Lakes, Siberia, South Florida, and New York City and taught at Harvard Graduate School of Design and Boston Architectural College. Recently her work was shown at the 2016 Venice Biennale. Anya holds an MLA from Harvard GSD, an M.Arch II from McGill University, and a B.A. from Smith College.



SWA Project on the City: Miami



Urban Sensorium

MORE INFORMATION

ARUP Foresight + Research + Innovation

<http://www.driversofchange.com/>

<https://www.youtube.com/watch?v=WQ7YcPfpnY>

<http://publications.arup.com/categories/type?key=research>

MASS Design

<https://massdesigngroup.org/research>

https://www.ted.com/talks/michael_murphy_architecture_that_s_built_to_heal

<https://www.amazon.com/MASS-Design-Group-Empowering-Architecture/dp/0615534155>

SWA Group/ XL: Experiments in Landscape and Urbanism

https://www.instagram.com/xl_experiments

<http://www.swagroup.com/ideas/>

<https://www.amazon.com/Landscape-Infrastructure-Case-Studies-SWA/dp/3034612729>