

Pathways for Nanoscale Science and Engineering to Address Urban Sustainability Challenges: A Walking Audit and Reflection

Tour guided by: Arnim Wiek and Rider Foley



Invitation to Participate

Pathways for Nanoscale Science and Engineering to Address Urban Sustainability

Challenges: A Walking Audit and Reflection

Please join us for a walking audit during Arizona's pleasant autumn climate to explore the Phoenix Gateway community— a neighborhood bound by Sky Harbor airport to the south and state highways to the north, east, and west. The community is bisected by the Grand Canal and houses a workforce-orient community college, cultural center, historical museum, hotels, businesses, and residents.

Community members residing there are faced with the challenges of historic subsurface contamination, diverse socio-economic conditions, and the construct of the built environment. Social diversity, economic constraints, and ecological stressors present grave challenges for the Gateway community as well as many other urban communities.

“Pathways” will offer an opportunity for scholars and practitioners of nanoscale science and engineering to engage with and reflect upon the challenges faced by scholars and practitioners of place-based sustainability initiatives. The goals of “Pathways” include :

1. Engaging with place-based settings in which NSE offer potential solutions.
2. Identifying and reflecting on the critical socio-economic challenges that could constrain or enable technological solutions.
3. Building capacity for critical thinking about technological solutions across different stakeholder groups.
4. Building capacity to foresee unintended consequences, long-term implications, community buy-in, and social and environmental influences.

“Pathways” will entail a trip to the Gateway community by light rail to talk with experts working within the community, walk through the community, and engage with citizen-advocates to enrich the dialogue with personal narratives. The walking audit will conclude with a reflection period back at the conference location.

Please see activity details and registration below.

Pathways Walking Audit

Monday, November 7

Tempe Mission Palms (the conference hotel)

Orientation and Introduction: 1-1:15 p.m.

Departure: 1:16 p.m.

Return to Tempe Mission Palms: 2:45 p.m.

Reflection: 2:45-3:30 p.m.

S.NET Conference Registration: 3:30-4 p.m.

S. NET Opening Presentation: 4 p.m.

Walking Tour Registration

Participation is limited to twenty (20) individuals to manage the size and experience for those seeking to engage in the enriching activity. Preference will be given to non-ASU registrants. When registering, please be sure to mention which walking event you'd like to participate in.

To Register: please email Michelle Iafrat <<michelle.iafrat@asu.edu>>