



Workshop on Complexity Theory Methods for Spatial Planning

Sizing/Scaling/Connecting/Integrating Johannesburg

10-13 March 2014

Workshop Program

• 10th March - Site Visit

Time	Event
08:00	Arrive at Wits
08:30	Depart For Site Visits
13:30	Arrive Back at Wits

• 11th March - Session 1

Time	Event
09:00	Workshop Starts
11:00	Tea Break
11:30	Workshop Continues
13:30	Lunch Break
14:30	Workshop Continues
16:30	Close for the Day

• 12th March - Session 2

Time	Event
09:00	Workshop Starts
11:00	Tea Break
11:30	Workshop Continues
13:30	Lunch Break
14:30	Workshop Continues
16:30	Close for the Day

Description

The workshop will be a contribution to Johannesburg climate change mitigation plan, and will provide spatial planning methods to enhance economic productivity and social inclusiveness at all scales. It will bring to practitioners and students complexity theory methods and tools to articulate density at different scales in Johannesburg urban region with a focus on selected neighborhoods densification.

Methods will span from graphs analysis to determine degrees of connectedness and centralities to density distribution analysis to determine the impact of density on transportation energy.

Wits University

Urban Morphology and Complex
Systems Institute

Serge Salat & Loeiz Bourdic

Objectives

The objective is to transfer analytical and planning methods to attendants. They will quantify existing urban forms and structures in Johannesburg with the Urban Morphology and Complex Systems Institute tools and assess the impacts and outcomes of alternative scenarios.

Attendants will learn and implement innovative methods of urban analysis and planning and build on these methods to propose interventions in order to improve urban sustainability and resilience locally at neighborhood scale while considering the global metropolitan scale.

*Attendance is free for students.
Professionals will be asked a small fee
of 350 Rands each.*

*For info and subscriptions:
Dylan.Weakley@wits.ac.za*

www.urbanmorphologyinstitute.org