the chiX conference
an environmental crossroads
for developing scholars
Welcome

meet the co-chairmen

Annika Todd, Ph.D.
Postdoctoral Scholar Co-Chair
Precourt Energy Efficiency Center
Behavioral / Environmental Economics

Wil V. Srubar III
Ph.D. Candidate, Graduate Student Co-Chair
Civil and Environmental Engineering
Engineered Biomaterials for Construction

Nicole Ardoin, Ph.D.
Faculty Chair

Leigh Johnson
Program Manager

Brenda Pascual
Program Coordinator

Margaret Krebs
·
Pam Sturner
·
Banny Banerjee
Welcome

the chi philosophy

expandMorning Sessions explore

Aa
Welcome

the chi philosophy

expand
explore
communicate
connect
create
Morning Sessions
Lunch
Afternoon Sessions

exchange
exceed
Welcome

Welcome the Woods Institute Directors: Buzz Thompson and ...

Jeffrey R. Koseff
William Alden Campbell and Martha Campbell Professor of CEE
The Michael Forman University Fellow in Undergraduate Education
The Perry L. McCarty Director of the Woods Institute for the Environment

Stanford University, Woods Institute, and You
Student Presentations

by focal area

- Earth
  - natural and human resources
  - soil science and geology
  - built environmental systems

- Wind
  - atmosphere and air quality
  - alternative wind power
  - natural disaster relief

- Water
  - water resources
  - hydrology and fluid dynamics
  - wastewater systems infrastructure

- Fire
  - climate change
  - solar energy
  - alternative technologies
‘Networking’ Coffee Break
‘Networking’ Coffee Break

by focal area

natural and human resources
soil science and geology
built environmental systems

atmosphere and air quality
alternative wind power
natural disaster relief

water resources
hydrology and fluid dynamics
wastewater systems infrastructure

climate change
solar energy
alternative technologies
‘Networking’ Coffee Break

by methodology

- reading
  - behavioral studies
  - humanities
  - social sciences

- writing
  - public policy
  - environmental law
  - journalism and marketing

- arithmetic
  - engineering
  - environmental economics
  - science and technology

- art
  - art and architecture
  - business entrepreneurship
  - product design
‘Networking’ Coffee Break

1 environmental area of focus

- Earth
- Wind
- Water
- Fire
‘Networking’ Coffee Break

1. environmental area of focus
   - earth
   - water

2. discipline-specific methodology
   - reading
   - arithmetic
   - writing
   - art
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  - product design
Lunch: Mapping!
Lunch: Mapping!

NAME
FIELD
INTEREST STATEMENT
~10-15 Words
Lunch: Mapping!

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FIELD
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WIL
Structural Engineering
Developing Sustainable Construction Materials to Replace Conventional Ones Used in Housing
WIL: Structural Engineering
Developing Sustainable Construction Materials to Replace Conventional Ones Used in Housing

NAME
Common Link
Connection
Complimentary Skills
Lunch: Mapping!

Annika
Behavioral Economics
Help decipher why consumers would buy green products; industry surveys/focus groups; economics of new material

WIL
Structural Engineering
Developing Sustainable Construction Materials to Replace Conventional Ones Used in Housing
Lunch: Mapping!

5 MINUTE ROTATIONS!
Lunch: Mapping!

EXPAND AND CONNECT EXERCISE

NAME:  

NAME:  

NAME:  

NAME:  

NAME:
FIELD:
INTEREST STATEMENT:

NAME:  

NAME:  

NAME:
Afternoon Session

Nicole Ardoin, Ph.D.
Faculty Chair, Chi Conference
Chair, Education & Pedagogy Committee
Woods Institute for the Environment
“Never, ever, think outside the box.”
Afternoon Session

the chi philosophy

expand

explore

communicate

connect

create

exchange

exceed
Afternoon Session

DEFINE METATHEMES
PROBLEM STATEMENT & OBJECTIVES
45 MINUTES

Cool Problem Space
What are you trying to do?
Afternoon Session

COMMUNICATE, CONNECT
15 MINUTES

COOL PROBLEM SPACE
15 MINUTES

WHAT ARE YOU TRYING TO DO?
15 MINUTES
Afternoon Session

COMMUNICATE, CONNECT
15 MINUTES

This is how it is relatable. Write here the connections and potential synergies.

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Afternoon Session

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15 MINUTES

COOL PROBLEM SPACE
15 MINUTES

WHAT ARE YOU TRYING TO DO?
15 MINUTES
Afternoon Session

PROBLEM SOLVING
METHODS, METRICS, TEAM SKILL SETS
45 MINUTES

Cool Problem Space

What are you trying to do?

How are you going to do it?

How will you know you’ve done it?

With whom will you do it?
Afternoon Session

HOW ARE YOU GOING TO DO IT?
15 MINUTES

HOW WILL YOU KNOW YOU’VE DONE IT?
15 MINUTES

WITH WHOM WILL YOU DO IT?
15 MINUTES
Afternoon Session

HOW ARE YOU GOING TO DO IT?
15 MINUTES

HOW WILL YOU KNOW YOU’VE DONE IT?
15 MINUTES

WITH WHOM WILL YOU DO IT?
15 MINUTES
Afternoon Session

HOW ARE YOU GOING TO DO IT?
15 MINUTES

HOW WILL YOU KNOW YOU’VE DONE IT?
15 MINUTES

WITH WHOM WILL YOU DO IT?
15 MINUTES
Afternoon Session

CONTINUITY
TEAM MEETING(S) FOR WOODS NEWSLETTER
15 MINUTES

CONTINUITY:

What are you trying to do?

How are you going to do it?

How will you know you’ve done it?

With whom will you do it?

Commit to Next Steps
Afternoon Session

COMMIT TO NEXT STEPS
15 MINUTES
Afternoon Session

TRANSFER TO POSTER
USE SECTIONS OF HANDOUT FOR ORGANIZATION
25 MINUTES
Afternoon Session

GROUP PRESENTATIONS
3 MINUTES EACH
Afternoon Session

CAMPUS RESOURCES
SMALLGROUP DISCUSSION
Thanks!

To our Volunteers and Organizing Committee
To the Woods Institute for the Environment
To the Oral and Poster Presenters
To YOU!