

# DPI All Working Group Workshop at UIC


*Friday, March 1, 2019*

*UIC Student Center East*

*750 S. Halsted Street, Chicago, IL*

## Workshop Overall Agenda

- 8:45 – 9:15 a.m.                    **Check in, coffee, and light continental breakfast**  
*Location: Foyer outside Illinois AB*
- 9:15 - 9:25 a.m.                    **Welcome**  
Tim Killeen, President, University of Illinois System (audio only)  
*Location: Illinois AB*
- 9:25 – 10:00 a.m.                   **DPI update and Q&A**  
Bill Sanders, Interim Director, DPI  
*Location: Illinois AB*
- 10:00 - 12:00 p.m.                   **Working group parallel tracks (see detailed agendas below)**  
*Locations:*  
*Computing and Data – Tower Room 302*  
*Education and Workforce – Tower Room 613*  
*Health and Wellness – FT Dearborn B*  
*Environment and Water – Tower Room 603*  
*Culture and Society – White Oak AB*  
*Entrepreneurship and Tech Transfer – Illinois C*  
*Food and Agriculture – Monarch*  
*Public Policy – Prairie Room*
- 12:00 - 12:20 p.m.                   Collect boxed lunches  
*Location: Foyer outside Illinois AB*
- 12:20 - 12:30 p.m.                   **UIC Chancellor Michael Amiridis**  
*Location: Illinois AB*
- 12:30 - 1:00 p.m.                   **Engaging the Chicago community through DPI**  
Mark Tebbe, Chairman of Chicago NEXT  
*Location: Illinois AB*



1 - 2:30 p.m.

**Working group parallel tracks (see detailed agendas below)**

*Locations:*

*Computing and Data – Tower Room 302*

*Education and Workforce – Tower Room 613*

*Health and Wellness – FT Dearborn B*

*Environment and Water – Tower Room 603*

*Culture and Society – White Oak AB*

*Entrepreneurship and Tech Transfer – Illinois C*

*Food and Agriculture – Monarch*

*Public Policy – Prairie Room*


2:30 - 2:45 p.m.

**Refreshment break**

*Location: Foyer outside Illinois AB*

2:45 - 4:15 p.m.

Working group chairs, leads, and members meet to discuss and summarize what they have learned



## Education and Workforce Development Agenda

Length of time	Description of activity/content
10-10:20  (20 minutes)	Welcome & introductions Summary of working group charge Overview of what we have done so far A form will be handed out during the workshop for each attendee to fill out – identify resources, relevant projects, and courses. Q&A
10:20-11:00  (40 minutes)	Break into small group of 10s to focus on topics selected from the following: Workforce needs/gaps and potential research Vision and opportunities for research, solutions, pilot ideas, and potential partnerships  Small groups discuss resources, data, etc. and brainstorm ideas
11:00-11:30  (30 minutes)	Debrief: Share main ideas from small group discussions
11:20-12:00  (30 minutes)	Discuss next steps, define/agree on action steps: How can we get from point A to point B?

Length of time	Description of activity/content
1:00 -1:10  (10 minutes) For the new people who join us in the afternoon	Welcome & introductions Summary of working group charge Overview of what we have done so far A form will be handed out during the workshop for each attendee to fill out – identify resources, relevant projects, and courses. Q&A
1:10-1:50  (40 minutes)	Break into small group of 10s to focus on topics selected from the following: Workforce needs/gaps and potential research Vision and opportunities for research, solutions, pilot ideas, and potential partnerships  Small groups discuss resources, data, etc. and brainstorm ideas
1:50-2:15  (25 minutes)	Debrief: Share main ideas from small group discussions
2:15-2:30  (15 minutes)	Discuss next steps, define/agree on action steps: How can we get from point A to point B?

## **Culture and Society Agenda**

### **10:00 – 12:00**

- Opening session: WG Committee members give brief self-introductions and present a short PowerPoint.
- Each table will have Questionnaires and Purpose Statements.
- Open Discussion and Questions/Answers: Attendees provide very brief introductions of themselves, interests in DPI and identify interests in other working groups.

### **11:30 – 12:00**

- Round table discussions: WG members will facilitate each round table discussion.
- WG members gather input from attendees and discuss Workshop questionnaire.

### **1:00 – 2:30    Open sessions for Culture&Society**

- Some committee members will continue the morning session with informal discussions, answer questions, and gather forms.
- Other Committee members will visit alternative Working Groups of interest.
- Wrap-up session to discuss/capture what was learned.
- Faculty attendance optional

### **Culture & Society WG co-creative breakout session questionnaire**

The primary purpose of this workshop is to broadly engage the universities' faculty to facilitate and form the cross-cutting Culture & Society (C&S) vision. We want your input on the following items to be discussed during the C&S breakout sessions.

1. List key grand challenges and critical needs/problems of potential community, corporate and other partners that should be addressed within C&S.
2. Identify key potential C&S focus areas and topics for investigation that faculty members might pursue with DPI for AY 19-20 and in the next five years (2019-2024).
3. List and describe potential existing or new courses that might be taught at DPI in support of the area's vision, the DPI mission, and research agenda.
4. List of potential faculty members, community or state agencies, non-profits, corporate or other partners, who could be involved in the proposed collaborative research and teaching activities.

## Public Policy Agenda

Length of time	Description of activity/content
10-10:20  (20 minutes)	Welcome & introductions Remind people what the DPI is: a project-based institute that brings together collaborations between researchers, government, industry, community organizations and others to create new knowledge that has application to real-world challenges and problems. Summary of working group charge Overview of what we have done so far Overview of “Deliverables” for the day: For participants: <ul style="list-style-type: none"> <li>• learn more about a new source of support for faculty research and its dissemination</li> <li>• receive feedback about potential policy implications of their work</li> <li>• make new connections</li> </ul> For those developing DPI: <ul style="list-style-type: none"> <li>• Receive guidance about how DPIs vision of delivering socially beneficial solutions to significant social problems can be achieved in a real world of resource constraints, struggles between competing interests, and other public policy challenges.</li> </ul>
10:20-11:40  (80 minutes)	Our task today is three-fold, to answer these questions: <ol style="list-style-type: none"> <li>1) What are some critical issues of faculty research interest that are (or that should be) of public policy interest?</li> <li>2) Who would be the partners in the activities needed to move forward thinking and practice on these issues – what faculty members, industry groups or corporations, governmental and nongovernmental agencies, community agencies, foundations, or philanthropic organizations should be a part of working on each critical issue?</li> <li>3) What are existing or new courses that might be taught in support of the agenda we discovered? These would be taught in Chicago, at the DPI</li> </ol> <p>B. 20-30 minutes: Introductions of participants, which includes short descriptions of research projects (from pre-work)</p> <p>C. 15-20 minutes: leaders facilitate conversation to highlight shared themes or topics that emerged in participants’ descriptions of their interests. Group then decides which themes or topics to develop and propose for DPI. [This is the answer to question 1]</p> <p>D. 20 minutes: For each theme/topic, what are the interests at stake, who are the major players who would need to be involved in order to produce the research and to enact its implications?</p> <p>E. Remaining time: For each theme/topic, what are some instructional opportunities that take advantage of DPIs location in Chicago?</p>
11:40-12:00  (20 minutes)	Discuss next steps, define/agree on action steps: How can we get from point A to point B?

Length of time	Description of activity/content
<p>1:00 -1:10</p> <p>(10 minutes)</p> <p>For the new people who join us in the afternoon</p>	<p>Welcome &amp; introductions</p> <p>Summary of working group charge</p> <p>Remind people what the DPI is: a project-based institute that brings together collaborations between researchers, government, industry, community organizations and others to create new knowledge that has application to real-world challenges and problems.</p> <p>Summary of working group charge</p> <p>Overview of what we have done so far</p> <p>Overview of “Deliverables” for the day:</p> <p>For participants:</p> <ul style="list-style-type: none"> <li>• learn more about a new source of support for faculty research and its dissemination</li> <li>• receive feedback about potential policy implications of their work</li> <li>• make new connections</li> </ul> <p>For those developing DPI:</p> <ul style="list-style-type: none"> <li>• Receive guidance about how DPIs vision of delivering socially beneficial solutions to significant social problems can be achieved in a real world of resource constraints, struggles between competing interests, and other public policy challenges.</li> </ul>
<p>1:10-2:15</p> <p>(65 minutes)</p>	<p>Same as morning session</p>
<p>2:15-2:30</p> <p>(15 minutes)</p>	<p>Discuss next steps, define/agree on action steps: How can we get from point A to point B?</p>

## Computing and Data Agenda

10:00-10:05 am Move to CDT Workshop Room

10:05-10:30 am

Welcome and Introduction of UIC WG members Venkat Venkatakrisnan, Maxine Brown, Dibyen Majumdar, Philip Yu and Milos Zefran

### **Computing and Data Theme Overview** by Venkat Venkatakrisnan

- Summary of working group charge
- Overview of what needs to be done for the day

Breakout group organization:

- Computing Foundations, Mathematical, Physical sciences (Lead: Dibyen Majumdar)
- Computer Systems and Networks (Lead: Venkat Venkatakrisnan)
- Cyberinfrastructure (Lead: Maxine Brown)
- Intelligent Systems (Lead: Philip Yu)
- CyberPhysical systems (Lead: Milos Zefran)

10:30-12:00 **“What” CDT activities do we want to do in DPI?**

WG members facilitate conversations

- 5' Participant introductions
- 25' Faculty perspectives on topics of interest
- 25' Partners in activities (industry, government, educational / non-profit)
- 15' Coursework and other educational activities
- 25' Discussion and action items forward

1:00-2:30pm **“How” do we want to achieve the proposed DPI CDT activities?**

- 30' Faculty perspectives on DPI CDT organization and agenda
- 30' How could DPI effectively build partnerships to carry out agenda?
- 30' Discussion summary and action items forward

## Entrepreneurship and Tech Transfer Agenda

Length of time	Description of activity/content
10-10:20  (20 minutes)	<p>Welcome &amp; introductions</p> <p>Summary of working group charge</p> <p>Update on current status of the Working Group</p> <p>Overview of 4 questions from the charge letter that group will address (see below for questions). Attendees select 2 of the questions. Each question will have a corresponding table in the room.</p>
10:20-10:50  (30 minutes)	Attendees select a table that corresponds to a question from the charge letter. A member of the WG leads a discussion and will collect input.
10:50-11:20  (30 minutes)	Attendees select another table and provide input on another area of interest.
11:20 – 11:30	Collect info for report out
11:30-12:00  (30 minutes)	Report out and debrief
Length of time	Description of activity/content
1-1:10  (10 minutes)	<p>Welcome &amp; introductions</p> <p>Summary of working group charge</p> <p>Update on current status of the Working Group</p> <p>Overview of 4 questions from the charge letter that group will address (see below for questions). Attendees select 2 of the questions. Each question will have a corresponding table in the room.</p>
1:10-1:30  (20 minutes)	Attendees select a table that corresponds to a question from the charge letter. A member of the WG leads a discussion and will collect input.



1:30-1:50 (20 minutes)	Attendees select another table and provide input on another area of interest.
1:50 – 2:00	Collect info for report out
2:00-2:30 (30 minutes)	Report out and debrief

Questions to be address:

- What **programming** should be offered to DPI participants offer to support entrepreneurship, innovation, commercialization, technology transfer, and overall impact to society?
- What should DPI offer in terms of **educational opportunities** (such as courses to be offered, certificates) and **research opportunities** in the areas of entrepreneurship and technology transfer?
- What kinds of **partnerships and collaborations** should DPI build in order to promote entrepreneurship and technology transfer? What types of partners are needed, and what kinds of arrangements with those partners might work?
- How could DPI further facilitate **technology transfer** from the U of I system, with the goal of complementing and supporting what is already working at the level of individual campuses?

## Environment and Water Agenda

At the Campus Workshops, faculty will learn more about DPI. In addition to a general introduction to DPI, it will be an opportunity for faculty with interests in specific themes to interact with relevant Work Groups. The Environment and Water Work Group (E&W WG) hopes to accomplish two main objectives:

1. Introduce faculty to our mission and goals
2. Invite faculty interested in E&W to provide input to answering **five key questions**:
  - What are the grand challenges, emerging concerns, opportunities, and needs of partners in the field of Environment & Water?
  - What are research priorities in the field of Water & Environment, and how can they be addressed in ways that build on strengths of University of Illinois and DPI?
  - What steps should be taken in 2019-2024 to advance research in those priority areas within DPI?
  - What educational offerings should be provided at DPI in support of the Environment & Water working group's mission? This may include courses for academic credit as well as workshops for practitioners, and may include distance education options.
  - What will facilitate the development of partnerships between researchers in the field of Environment & Water and those with expertise in scaling-up and/or applying promising research developments?

## **Food and Agriculture Agenda**

10:00-10:20am	Introductions, Charge to Working Group, and Progress
10:20-10:40am	Individual reflection and Inventory of assets (see handout)
10:40-11:20am	Small group discussion by subthemes
11:20-11:45am	Group sharing, Consensus building
11:45am-11:55am	Next steps and wrap up
1:00-1:15pm	Introductions, Charge to Working Group, and Progress
1:15-1:30pm	Individual reflection and Inventory of assets (see handout)
1:30-2:15pm	Small group discussion by subthemes
2:15-2:30pm	Group sharing, Consensus building, Next steps and Wrap up

## Health and Wellness Agenda

Length of time	Description of activity/content
10:00-11:00  (60 minutes)	<p><b>Welcome &amp; introductions</b></p> <ul style="list-style-type: none"> <li>• Mark Rosenblatt, MD, PhD, MBA, UIC DPI H&amp;W Institutional Lead &amp; Chair, will open the session and introduce panel:               <ul style="list-style-type: none"> <li>    Jorge Villegas, PhD – UIS Institutional Lead</li> <li>    Jeffrey Woods, PhD – UIUC Institutional Lead</li> </ul> </li> <li>• Summary of working group charge</li> <li>• Progress update – Presentation from Retreat</li> <li>• Mechanism to gather data from participants</li> <li>• Q&amp;A</li> </ul>
11:00-12:00  (60 minutes)	<p><b>Small Group Sessions (groups of approximately 10)</b></p> <ul style="list-style-type: none"> <li>• Workforce needs/gaps and potential research</li> <li>• Vision and opportunities for research, solutions, pilot ideas, and potential partnerships</li> <li>• Small groups discuss resources, data, etc. and brainstorm ideas</li> </ul>

Length of time	Description of activity/content
1:00 -2:00	<p><b>Additional Small Group Sessions</b></p> <p style="text-align: center;">OR</p> <p><b>Participation of Health and Wellness Experts in other WG meetings</b></p>
2:00-3:00	<p><b>Debrief</b> A representative from each group will report back to the larger group</p>
3:00-4:15	<p><b>Synthesis</b></p> <ul style="list-style-type: none"> <li>• Summarize themes developed</li> <li>• Sub committee formation</li> <li>• Cross-discipline opportunities</li> <li>• Enabling activities</li> </ul>