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INTRODUCTION TO THE  
SCHOOL OF INFORMATION  
COMMUNITY INFORMATION CORPS  
(CIC) 2008

DANIEL E. ATKINS (BIO DETAILS AT [WEB.MAC.COM/DEATKINS/CI\\_TOPICS/ABOUT\\_ME.HTML](http://WEB.MAC.COM/DEATKINS/CI_TOPICS/ABOUT_ME.HTML))

W. K. KELLOGG PROFESSOR OF COMMUNITY INFORMATION

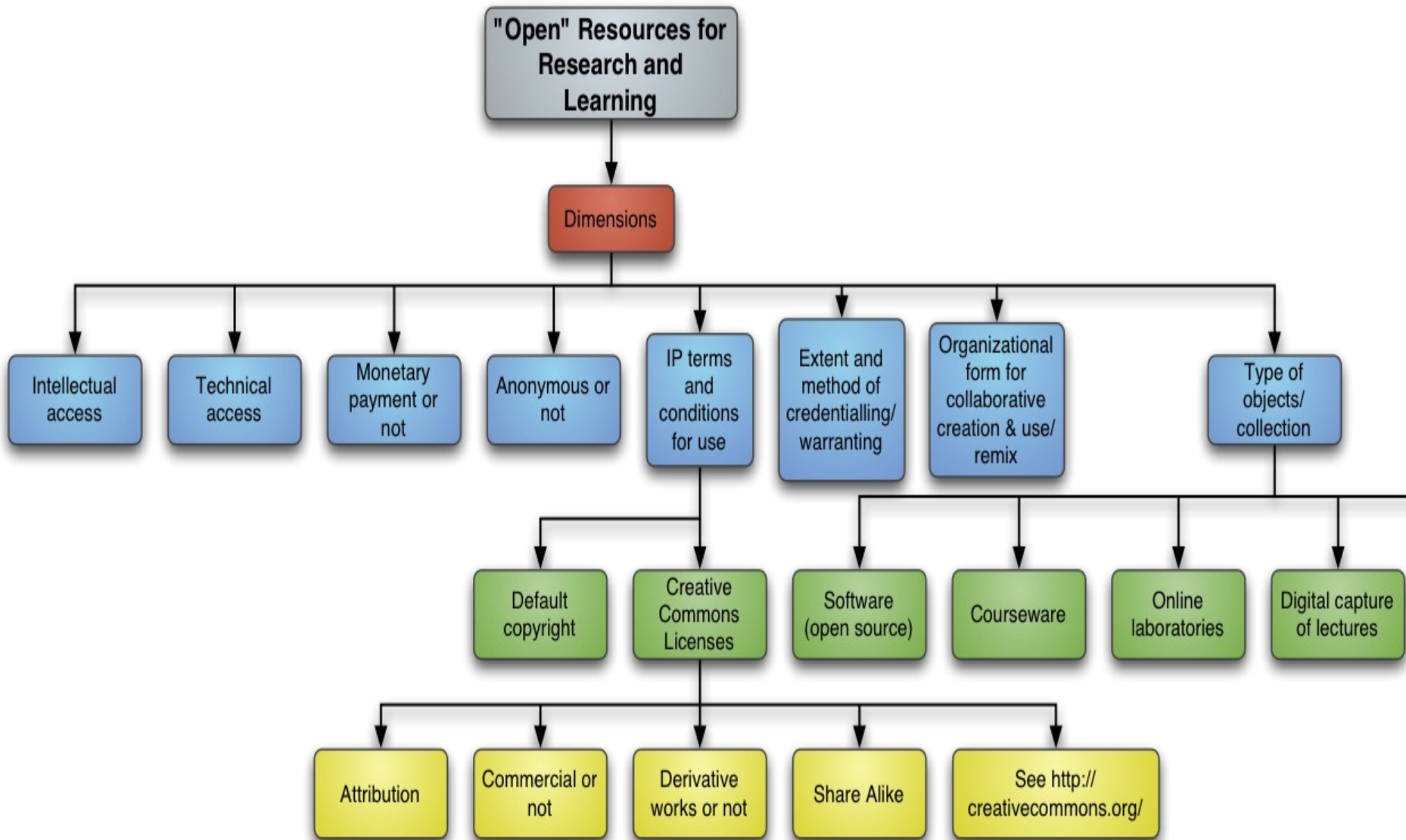
PROFESSOR OF INFORMATION AND EECS

# CIC SEMINAR, SI 575, FALL 08

- ✦ CREDIT: 1.5 UNITS ON PASS/FAIL BASIS BASED ON ATTENDANCE, PARTICIPATION, AND FINAL RETROSPECTIVE PAPER.
- ✦ VISITORS ARE WELCOME. VOLUNTEERING ENCOURAGED.

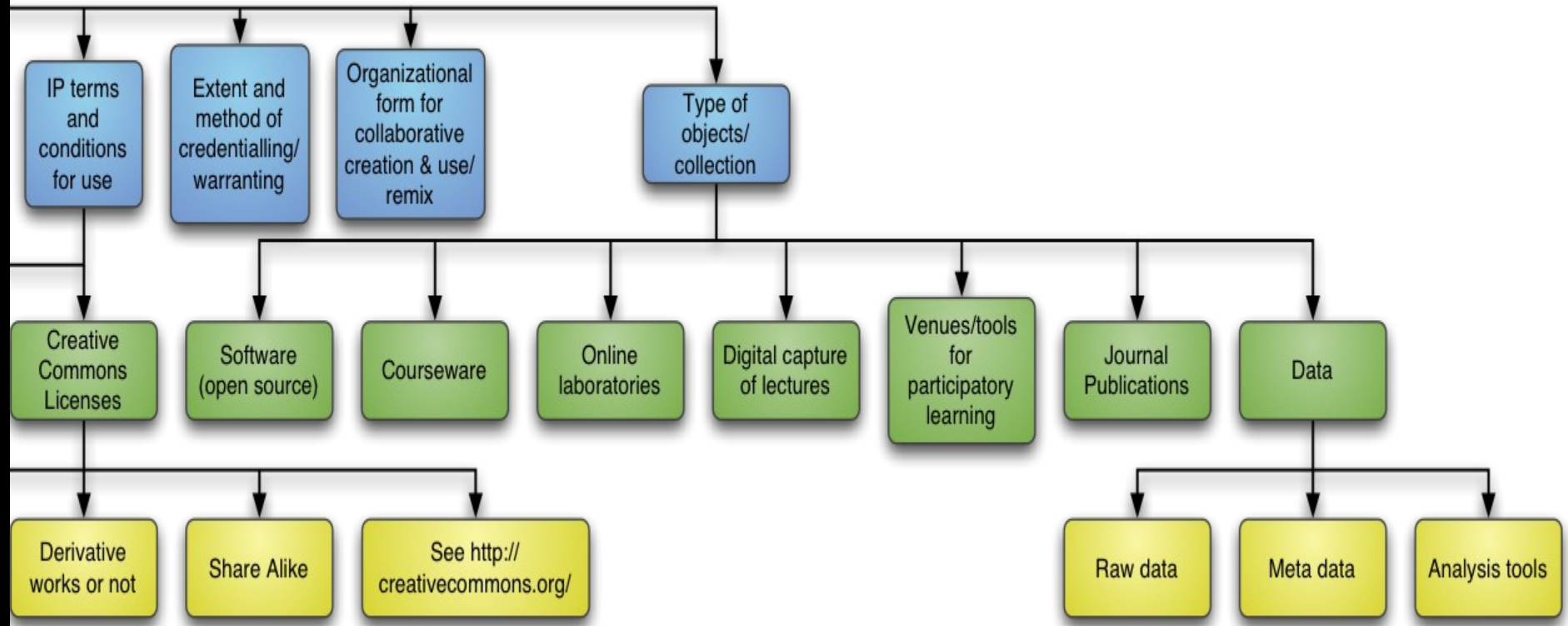
# THEMES

- ✦ CYBERINFRASTRUCTURE-ENABLED OPENESS TO INFORMATION AND PARTICIPATION
  - ✦ LITERACY
  - ✦ (CYBER) INFRASTRUCTURE
  - ✦ ACCESS POLICIES (TERMS AND CONDITIONS): FINANCIAL, COPYRIGHT
  - ✦ AUTHENTICATION OF INFORMATION AND PEOPLE
  - ✦ OTHER
- ✦ HOW SHOULD WE DEFINE *community informatics* AND HOW SHOULD A SPECIALIZATION IN IT BE DEFINED?



Sources for  
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ions



# OPEN ISSUES

- ✦ CIC ACTIVITIES FOR THE WINTER TERM - (THERE WILL NOT BE A REGULAR SEMINAR)

# COMMUNITY INFORMATION CORPS



COMMUNITY INFORMATION CORPS

HOME SEMINAR COMMUNITY PROJECTS EVENTS POPULAR TOPICS BLOG ABOUT CIC CONTACT US

### SEMINAR NEWS

**MORE CI RELATED COURSES: Wo8**  
By pietr November 1st, 2007

Here are a few more courses related to CI (thanks to Buzzy for the public policy courses):

UM Nonprofit Management Center - updated list of courses for Winter 2008.

Pubpol

587-001 - Public Management - The Politics of Bureaucracy

The Ford School offers three public management courses, one in the fall and two in the winter. Each is offered by a different professor and has a different spin. This one focuses on government processes and their functions (and disfunctions). This may be particularly good for those of you interested in politics or careers in federal government.

Pubpol 587-002:

### COMMUNITY NEWS

**INTERNSHIP SPEAKERS FOR THE CIC SEMINAR**  
By Imclaug September 3rd, 2008

If there are any second year students interested in giving a brief presentation describing your CI-related internship, email me at imclaug@umich.edu. We are hoping to devote at least one session of the CIC seminar to student presentations.

**CIC RELATED COURSES FOR FALL 2008**  
By Kludewig August 22nd, 2008

If you want to take any CIC-related courses this Fall, it's not too late to fit them into your schedule. See the attached pdf (you must be logged in to view it) with a list of graduate-level courses that have community informatics themes in the curriculum.

Monday, September 15 is the Drop/Add Deadline for first 7-week session classes.

read more 1 attachment

Logged in as atkins | Logout

**ATKINS**

- Directory
- Recent Posts
- My account
- Post content
- Blog entry
- Tools
- Feature Item
- Internships & Jobs
- Page
- Podcasts
- Seminar
- My blog

**SEARCH**

**UPCOMING EVENTS**

SI 575 CIC Seminar: First Session (20 hours)

CIC Potluck (3 days)


Nonprofit Management Center Fall Kickoff (5 days)

NPM: Role of Nonprofits in the Electoral Process (5 days)

Nonprofit Day 2008 (20 days)

Welcome Seminar Schedule Speaker Suggestions Blog

## Community Information Corps (CIC) Fall 2008-09




**UNIVERSITY OF MICHIGAN**

### Introduction

This is a website built and maintained by [Dan Atkins](#) to augment other sources of information and participation for the University of Michigan School of Information Community Information Corps.

### Other Resources

[Community Information Corps Website](#) (for information and collaboration within and outside UM)  
[CTools Site for Fall Term 2007](#)  
[CIC Facebook Account](#)

facebook

Community Information Corps Michigan

Email:

Password:

Remember me

Forgot Password?

Everyone Can Join

**Information**

**Basic Info**  
 Type: Organizations - Community Organizations  
 Description: The Community Information Corps at the School of Information prepares students for public interest careers.

**Contact Info**  
 Website: <http://cic.si.umich.edu>  
 Office: University of Michigan - School of Information

**Photos**  
 Displaying 4 of 10 photos [See All](#)



**Video**  
 No one has uploaded any videos.

**Posted Items**  
 No one has posted any items.

**Related Groups**

- SI Career Services
- Organizations - Academic Organizations
- Open.Michigan
- Organizers - Academic Organizations
- SI Summer 08
- Student Groups - Social Groups
- Prospective UM MSI Students
- Student Groups - General
- U-M School of Information Alumni
- Organizers - Academic Organizations

**Group Type**

This is an open group on the Michigan network. Anyone from Michigan can join and invite others from Michigan to join.

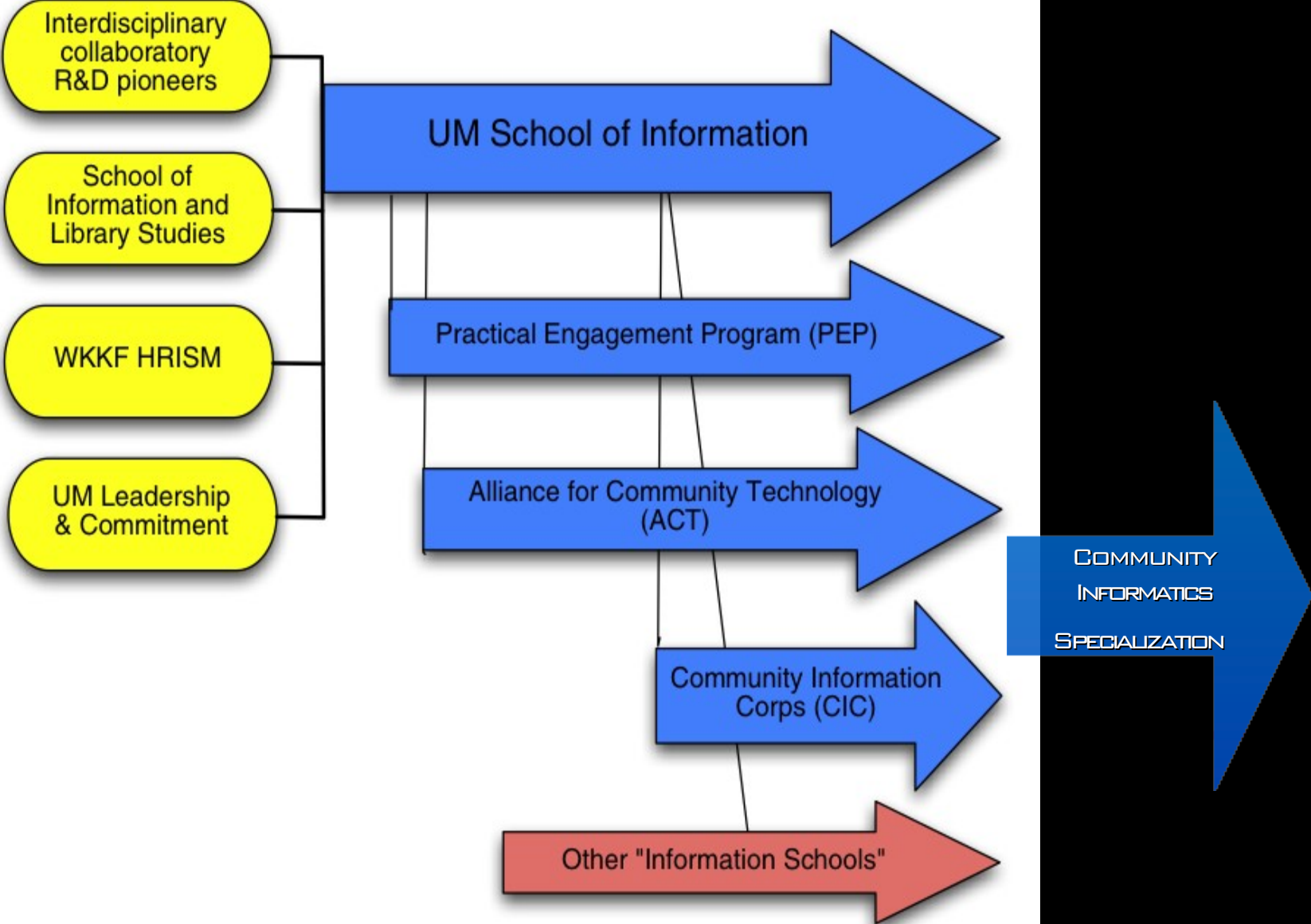
[WWW.FACEBOOK.COM/GROUP.PHF](http://WWW.FACEBOOK.COM/GROUP.PHF)

[CIC.SI.UMICH.EDU](http://CIC.SI.UMICH.EDU)

[WEB.ME.COM/DEATKINS/CIC/WELCOME](http://WEB.ME.COM/DEATKINS/CIC/WELCOME)



# BRIEF HISTORY



# THE ALLIANCE FOR COMMUNITY TECHNOLOGY

- AN ALLIANCE BETWEEN ACADEMIA, FUNDERS, AND COMMUNITY-SERVING ORGANIZATIONS TO PROMOTE MORE EFFECTIVE USE OF INFORMATION AND COMMUNICATION TECHNOLOGY (ICT) IN SERVICE OF COMMUNITY\*. ACT IS COMMITTED TO USING INFORMATION AND COMMUNICATION TECHNOLOGY TO MEET REAL HUMAN NEED.

\*PHYSICAL AND VIRTUAL

# GUIDELINES FOR SELECTING PROJECTS

- ✦ POTENTIAL TO IMPROVE A COMMUNITIES' QUALITY OF LIFE.
- ✦ POTENTIAL TO CREATE KNOWLEDGE OR PRACTICES THAT CAN BE GENERALIZED, TRANSFERRED, AND/OR SCALED-UP.
- ✦ POTENTIAL, IF SUCCESSFUL, TO BE SUSTAINABLE BY OTHERS.
- ✦ POTENTIAL FOR RECIPROCAL EXCHANGE OF LEARNING AND BENEFIT BETWEEN PARTNERS.
- ✦ UNIQUENESS OF OPPORTUNITY AND/OR CAPACITY.

# STRATEGIC APPROACH

- ✦ BUILDING HUMAN RESOURCES, ESPECIALLY LEADERS, FOR USING ICT IN SERVICE OF COMMUNITIES.
- ✦ PROSPECTING FOR AND INCUBATING NEW OPPORTUNITIES TO APPLY ICT TO COMMUNITY SERVING / NON-PROFIT ORGANIZATIONS.
- ✦ CONDUCTING R&D (PQ TYPE) TO CREATE KNOWLEDGE, SYSTEMS, PRACTICE.
- ✦ PROVIDING TECHNICAL ASSISTANCE TO PARTNERS.

# ACT AND CIC RETROSPECTIVE

- ✦ STAKEHOLDER BRIEFINGS
- ✦ AIHEC DIGITAL LIBRARY

# ACT AND CIC RETROSPECTIVE

REPRO LATINA

COMMUNITY TECH

FARS

IT INNOVATIVE

ADOPTION

# ACT AND CIC RETROSPECTIVE

CONVENINGS: DIGITAL COLLECTIVES IN INDIGENOUS CULTURES AND  
COMMUNITIES

# ACT AND CIC RETROSPECTIVE

HELP WITH LAUNCH AND GUIDANCE OF NPOWER MICHIGAN

[HTTP://WWW.NPOWER.ORG/ABOUT/TECH-IMPACT-STORIES/NPOWER-MI-MODEL](http://www.npower.org/about/tech-impact-stories/npower-mi-model)



# ACT AND CIC RETROSPECTIVE

EXPERT VISITORS AND SPEAKERS

Eastern Room [Presenter] - PlaceWare - Netscape

File Edit View Go Communicator Help

Back Forward Reload Home Search Guide Print Security Stop

Bookmarks Netsite: <http://www.communitytechnology.org/placeware/placeware.cc/cc1/s1/pre-console.html>


**PLACEWARE CONFERENCE CENT**  
PRESENTER CONSOLE  
Eastern Room

**PRESENTATION** CONTROLS

Welcome to the 2 of 4

- 1: Welcome to the Virtual Grad
- 2: Welcome to the Virtual Gra**
- 3: Introductions and Thanks
- 4: Module 1
- 5: Presentation Outline
- 6: 1
- 7: Globalization and Economic
- 8: Globalization and Economic
- 9: 2
- 10: Background to the Informati

Previous Slide Next Slide

Broadcast   
Shift-Click to Lock On

Blank Slide

**QUESTIONS** CONTROLS

No question

Give Floor Take Floor Dismiss

## Welcome to the Virtual Graduate Seminar

---

# Globalisation and the Information Society:

### Information Systems and International Communications Policy

**Dr. Derrick L. Cogburn**  
*Visiting Assistant Professor*  
University of Michigan--School of Information  
University of the Witwatersrand--Graduate School of P&DM  
American University--School of International Service

Point

Stamp

Draw

Clear

**PRESENTATION TEXT & NOTES** CONTROLS

*Derrick Cogburn enters Eastern Room.*

**AUDIENCE** CONTROLS

Feedback to Presenter

- Need Help
- Puzzled
- I'm Here
- Proceed
- Go Faster

## WKKF PROGRAM IN AFRICA INITIATIVES

[www.wkkfafrica.org](http://www.wkkfafrica.org)

Malusi Mpumlwana,  
Director of Africa Programs

Mandivamba Rukuni,  
Program Director



- Supporting the cyberinfrastructure explorations with CSIR.
- Beginning a knowledge capture, vetting, and reuse system to support Regional Resources Center.
- Advanced aspirations including capture and sharing of tacit knowledge.
- Vlad Wielbut, UM-ACT, to visit end of Oct. 03 for a week on consultation.
- Potential for longer-term links with ACT-SI.

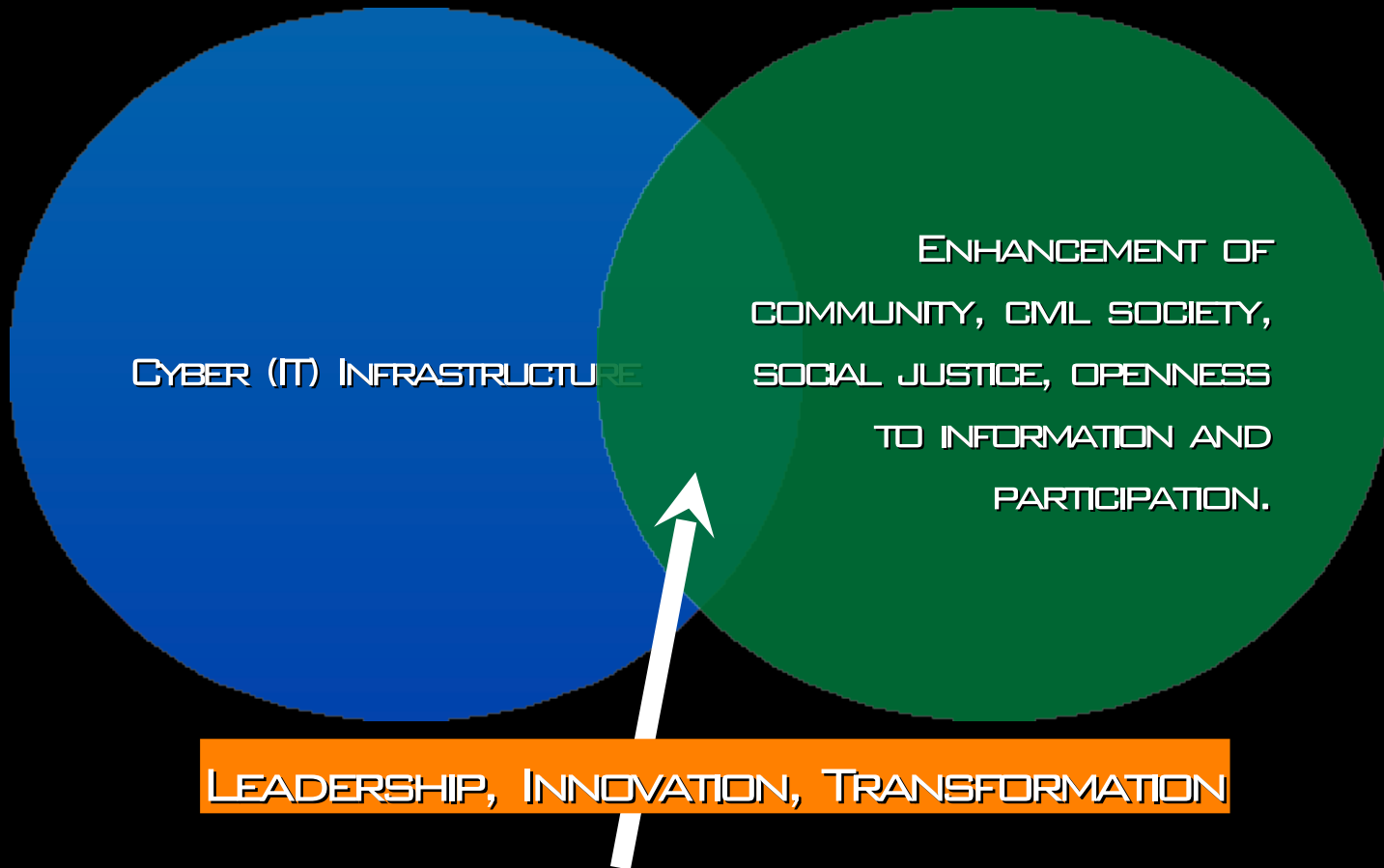
# ACT AND CIC RETROSPECTIVE

COMMUNITY INFORMATION CORPS SEMINAR & SPECIAL EVENTS

# ACT AND CIC RETROSPECTIVE

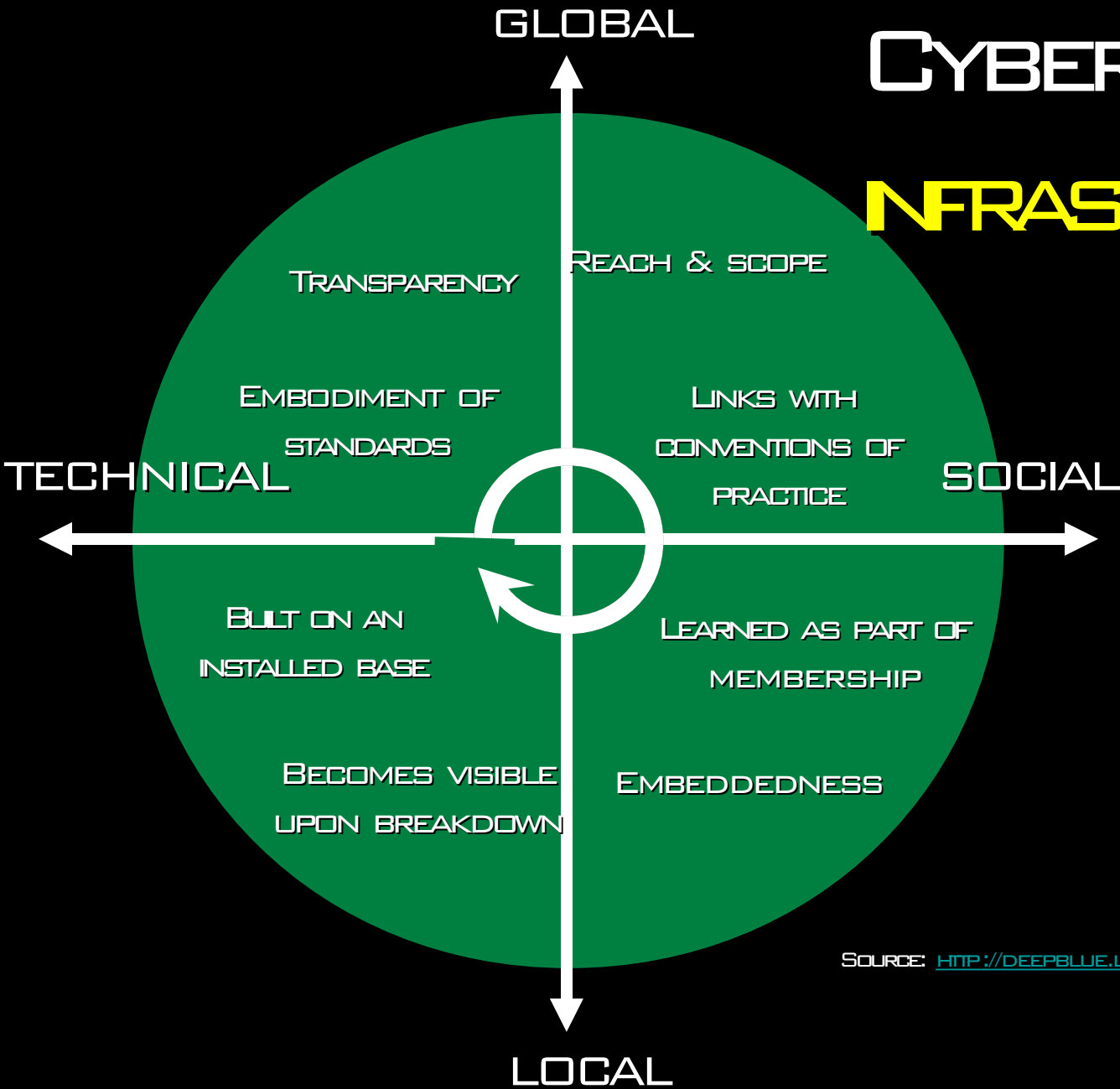
SUPPORTING THE OPEN EDUCATION RESOURCES MOVEMENT

# CIC AT THE INTERSECTION OF ....



# CYBER

# INFRASTRUCTURE



## Understanding Infrastructure: Dynamics, Tensions, and Design



Report of a Workshop on "History & Theory of Infrastructure:  
Lessons for New Scientific Cyberinfrastructures"

Paul N. Edwards  
Steven J. Jackson  
Geoffrey C. Bowker  
Cory P. Knobel

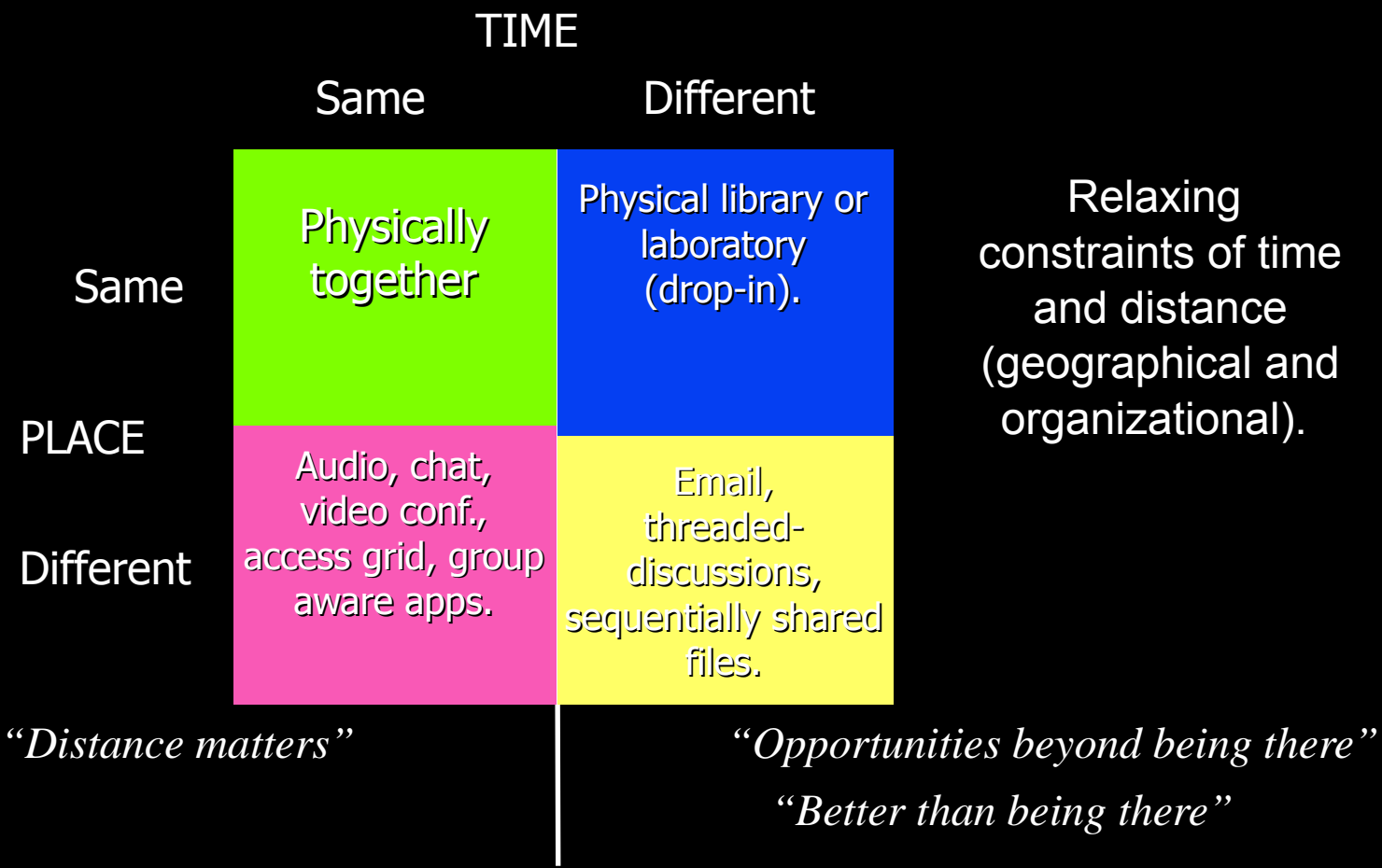
January 2007



NSF Grant 0630283 • Human and Social Dynamics • Computer and Information Science and Engineering • Office of CyberInfrastructure

SOURCE: [HTTP://DEEPBLUE.LIB.UMICH.EDU/HANDLE/2027.42/49353](http://deepblue.lib.umich.edu/handle/2027.42/49353)

# TIME-SPACE OPTIONS FOR GROUP/ ORGANIZATIONAL ACTIVITY





# COMMUNITY INFORMATION CORPS -

## GOALS

- \* AFFINITY GROUP FOR LIKE-MINDED PEOPLE WHO WANT TO USE IT/CI TO HELP ENHANCEMENT OF COMMUNITY, CIVIL SOCIETY, SOCIAL JUSTICE, OPENNESS TO INFORMATION AND PARTICIPATION, ....
- \* FUNDAMENTAL CONCEPTS.
- \* EXPOSURE TO EXEMPLARY PROJECTS.
- \* PROJECT AND ACTION-BASED LEARNING.
- \* CAREER EXPLORATION, BUILDING PROFESSIONAL IDENTITY AND RELEVANT SOCIAL NETWORKS.
- \* HELP BETTER DEFINE AND INCUBATE COMMUNITY INFORMATICS SPECIALIZATION.
- \* SUPPORT AND LINK WITH CIC RELEVANT DOCTORAL AND FACULTY RESEARCH.

# COMMUNITY INFORMATION CORPS -

## METHODS

- ✦ HIGHLY PARTICIPATORY AND STUDENT DRIVEN. VOLUNTEERING ENCOURAGED.
- ✦ SEMINAR WITH READINGS AND DISCUSSION.
- ✦ USE MANY HUMAN ASSETS: STUDENTS, VISITORS, FACULTY, ALUMS
- ✦ WEBSITES FOR INFORMATION AND BROADENED PARTICIPATION
- ✦ SOCIAL EVENTS
- ✦ USE OF SI SOCIETAL ENGAGEMENT MECHANISMS: PEP, ASB, INTERNSHIPS, STUDENT INITIATED AD HOC PROJECTS, INDEPENDENT STUDY, ETC.
- ✦ LINK & LEVERAGE WITH OTHER CIC TYPE ACTIVITIES AT UM AND BEYOND.

**BUFFER**

# NSF Blue Ribbon Advisory Panel on Cyberinfrastructure

**Daniel E. Atkins, Chair**

UNIVERSITY OF MICHIGAN

**Kelvin K. Droegemeier**

UNIVERSITY OF OKLAHOMA

**Stuart I. Feldman**

IBM

**Hector Garcia-Molina**

STANFORD UNIVERSITY

**Michael L. Klein**

UNIVERSITY OF PENNSYLVANIA

**David G. Messerschmitt**

UNIVERSITY OF CALIFORNIA AT

BERKELEY

**Paul Messina**

CALIFORNIA INSTITUTE OF

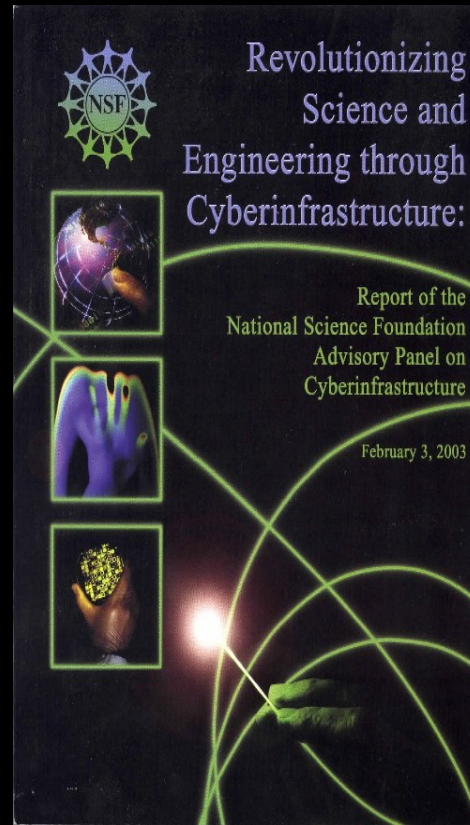
TECHNOLOGY

**Jeremiah P. Ostriker**

PRINCETON UNIVERSITY

**Margaret H. Wright**

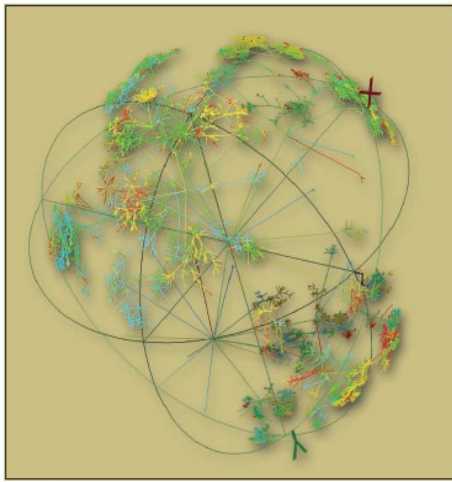
NEW YORK UNIVERSITY



*“a new age has dawned in scientific and engineering research, pushed by continuing progress in computing, information, and communication technology, and pulled by the expanding complexity, scope, and scale of today’s challenges. The capacity of this technology has crossed thresholds that now make possible a comprehensive “cyberinfrastructure” on which to build new types of scientific and engineering knowledge environments and organizations and to pursue research in new ways and with increased efficacy.”*

• [HTTP://WWW.NSF.GOV/OD/OCI/REPORTS/TOC.JSP](http://www.nsf.gov/od/oci/reports/toc.jsp)

CYBERINFRASTRUCTURE VISION  
FOR 21ST CENTURY DISCOVERY



National Science Foundation  
Cyberinfrastructure Council  
March 2007

VIRTUAL ORGANIZATIONS FOR  
DISTRIBUTED  
COMMUNITIES

HIGH  
PERFORMANCE  
COMPUTING

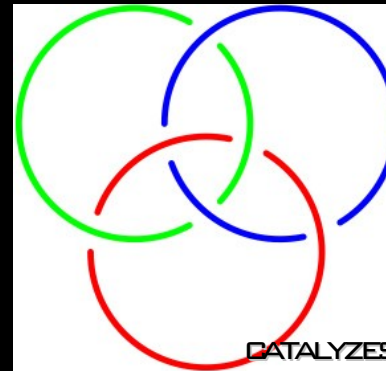
DATA &  
VISUALIZATION/  
INTERACTION

LEARNING & WORK FORCE NEEDS  
& OPPORTUNITIES

# Achieving the NSF CI (e-science) Vision requires synergy between 3 types of activities

**Transformative Application** - TO ENHANCE DISCOVERY & LEARNING

**Provisioning** - Creation, deployment and operation of advanced CI

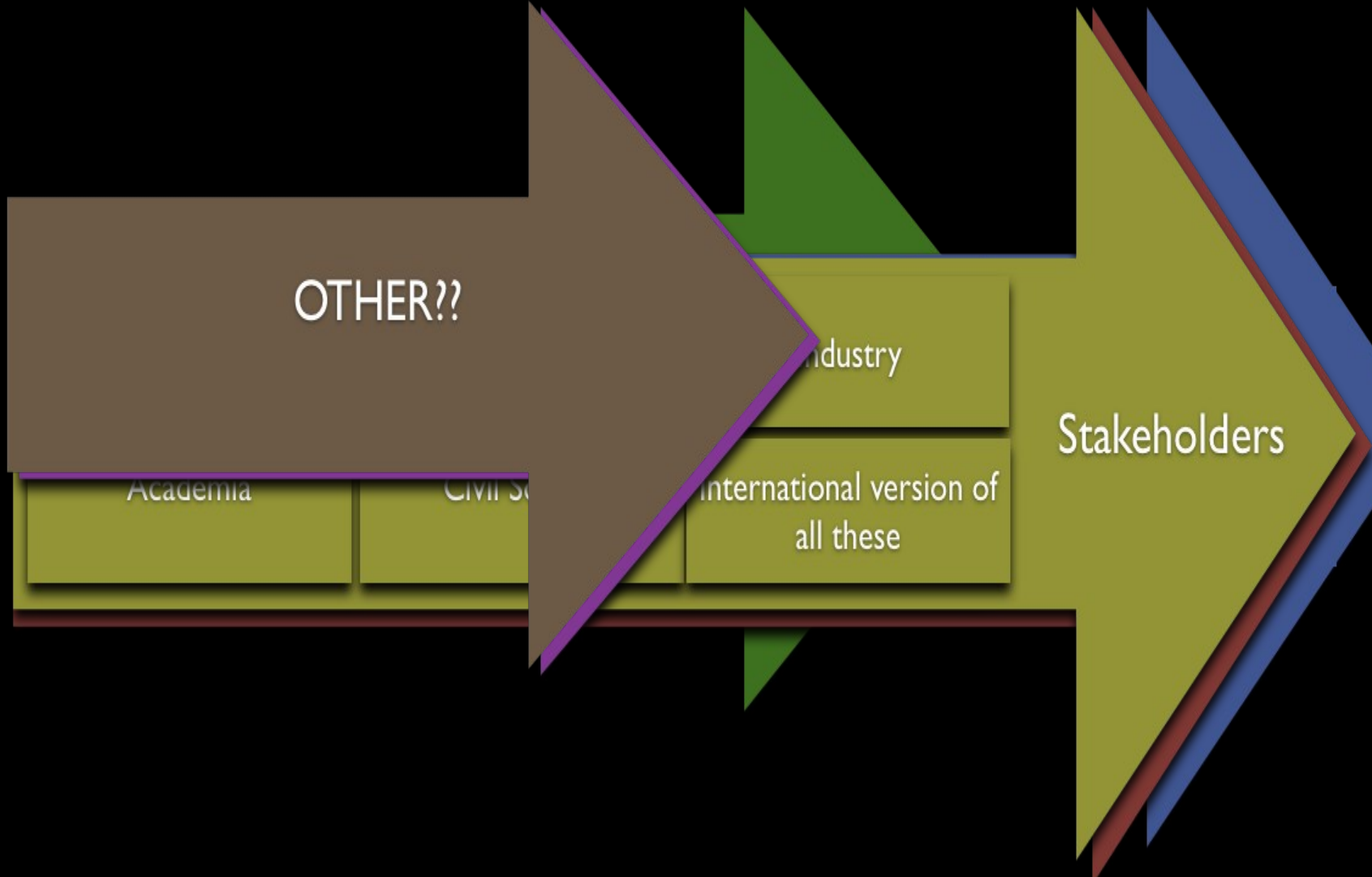


**Borromean Ring:** The three rings taken together are inseparable, but remove any one ring and the other two fall apart. See [www.liv.ac.uk/~smpm02/rings/](http://www.liv.ac.uk/~smpm02/rings/)

PROVIDES SHARED AND CONNECTING CI

OFFICE OF CYBERINFRASTRUCTURE

**R&D** TO ENHANCE TECHNICAL AND *social* effectiveness of future CI environments



# FORCES ON THE FUTURE OF THE UNIVERSITY

# PER SR. JOHN DANIELS\*

- ✦ HALF THE WORLD'S POPULATION IS UNDER 20 YEARS OLD.
- ✦ TODAY, THERE ARE OVER 30 MILLION PEOPLE QUALIFIED TO ENTER A UNIVERSITY, BUT NO PLACE AVAILABLE. DURING THE NEXT DECADE THIS NUMBER WILL GROW TO 100 MILLION.
- ✦ IN MOST OF THE WORLD HIGHER EDUCATION IS MIRED IN A CRISIS OF ACCESS, COST, AND FLEXIBILITY. THE DOMINANT FORMS OF HIGHER EDUCATION - CAMPUS-BASED, HIGH COST, LIMITED USE OF TECHNOLOGY - SEEM ILL-SUITED TO ADDRESS GLOBAL EDUCATION NEEDS IN THE DECADES AHEAD.

To meet this staggering global demand, a major university needs to be created every week.



# HOW SHOULD WE DEFINE COMMUNITY INFORMATICS AND HOW SHOULD A SPECIALIZATION IN IT BE DEFINED?

- ✦ TECH SUPPORT FOR NONPROFITS (GRANT SEEKERS AND MAKERS)
- ✦ INTERNATIONAL DEVELOPMENT
- ✦ LIBRARIES AS COMMUNITY “CENTERS”
- ✦ OPEN EDUCATIONAL RESOURCES
- ✦ ADVOCACY, GIVING VOICE
- ✦ .....

# ASSIGNMENT DUE SEPT. 12

- ✦ I WANT US TO WORK TOGETHER TO BUILD AN ANNOTATED BIBLIOGRAPHY OF LITERATURE DEFINING OR CHARACTERIZING WHAT PEOPLE ARE CALLING COMMUNITY INFORMATICS. AT THE NEXT CLASS COME WITH THREE SUCH CITATIONS TO EITHER MATERIAL THAT HELPS DEFINE COMMUNITY INFORMATICS AND/OR PROGRAMS THAT ARE DEVELOPING OR SUPPORTING PEOPLE TO PRACTICE COMMUNITY INFORMATICS. SUBMIT ALL THIS ELECTRONICALLY.