



University of Pittsburgh

SCHOOL OF COMPUTING AND INFORMATION

Strategic leadership for a data-rich society

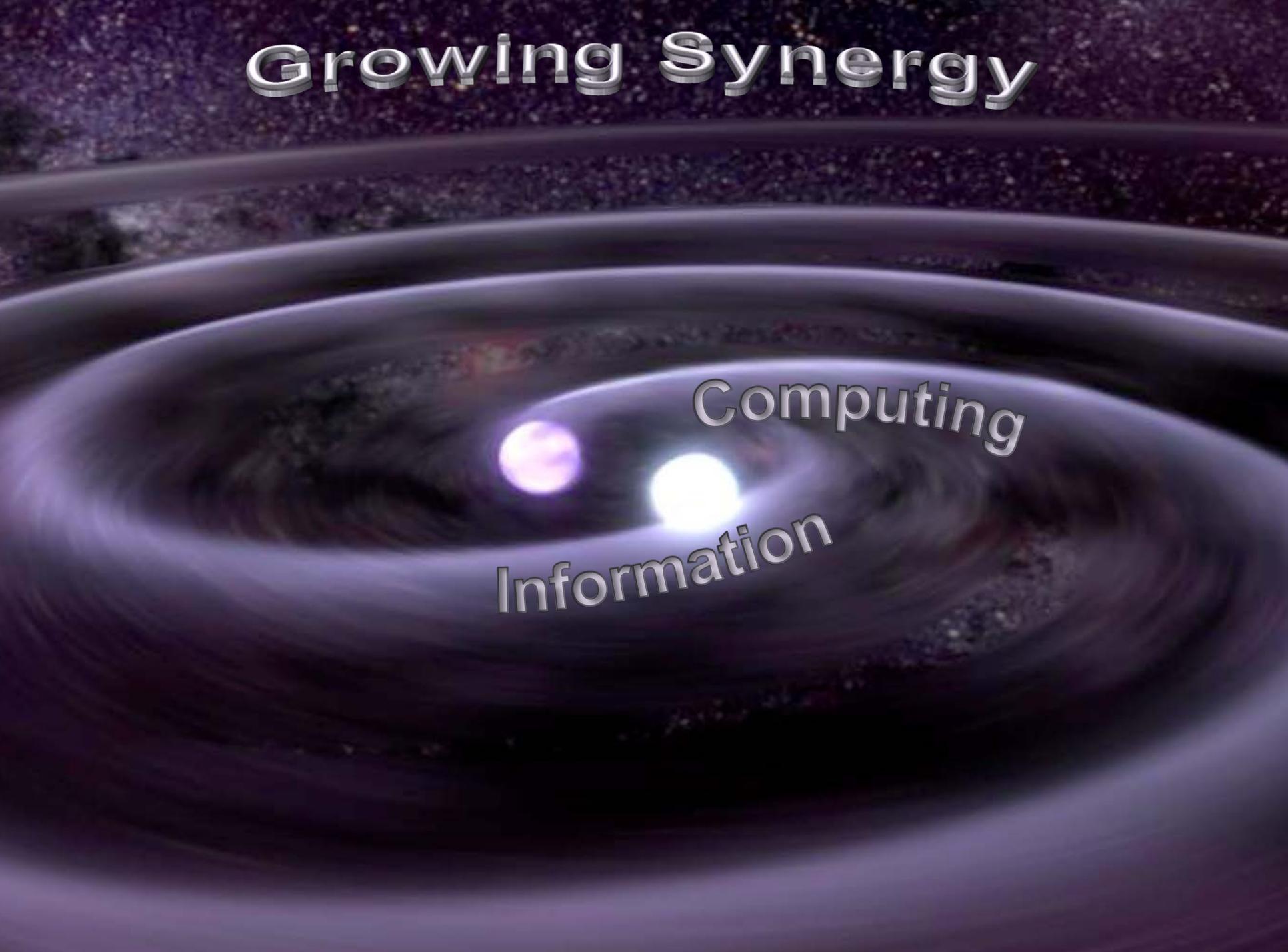
Ronald L. Larsen, Dean
School of Information Sciences

Taieb Znati, Chair
Department of Computer Science

September 19, 2016



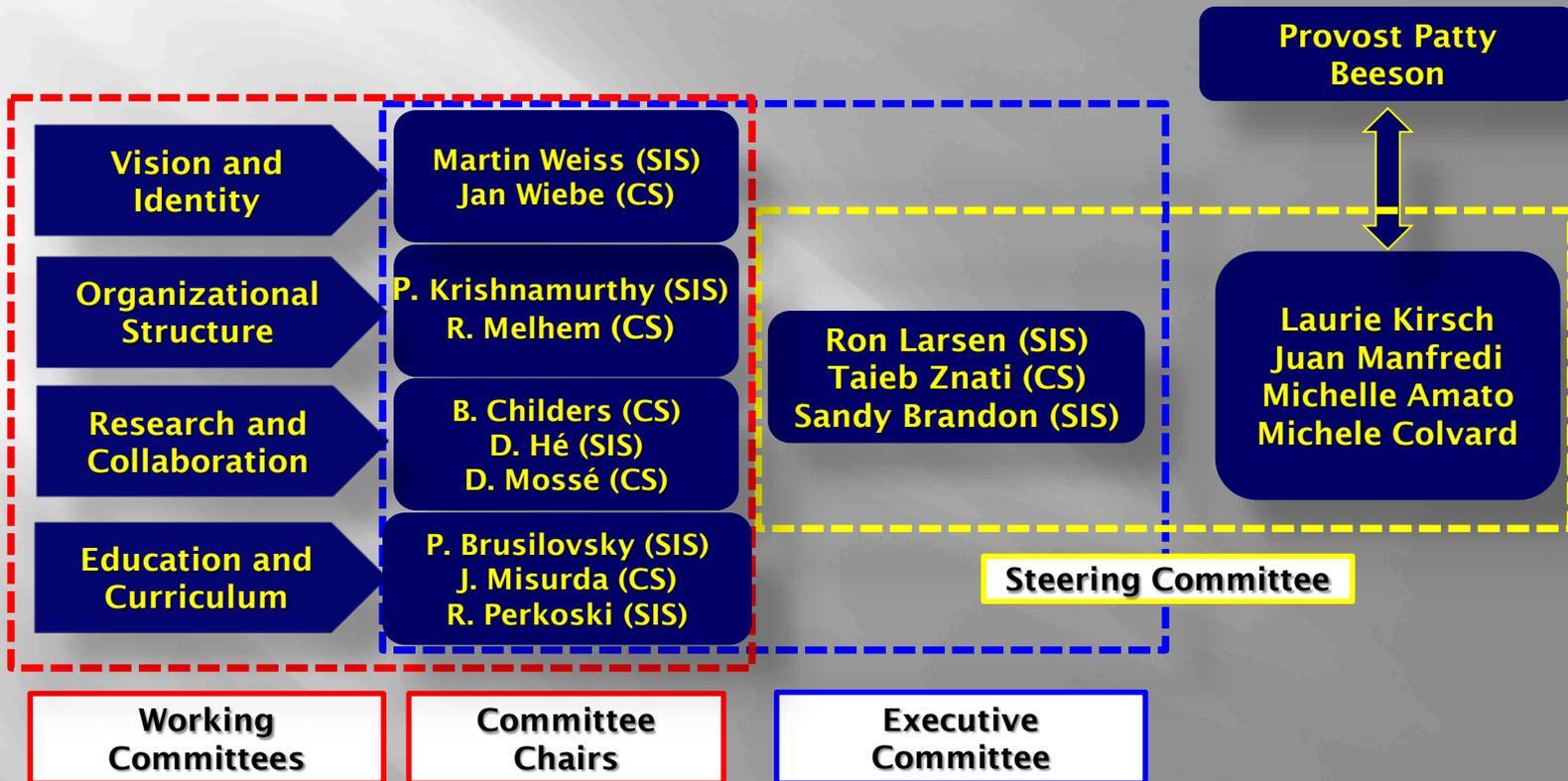
Growing Synergy

A 3D rendering of a galaxy with two central stars, one purple and one white, with the words 'Computing' and 'Information' written in a 3D font. The galaxy is shown in a perspective view, with the stars at the center and the spiral arms curving outwards. The background is a dark, starry space.

Computing

Information

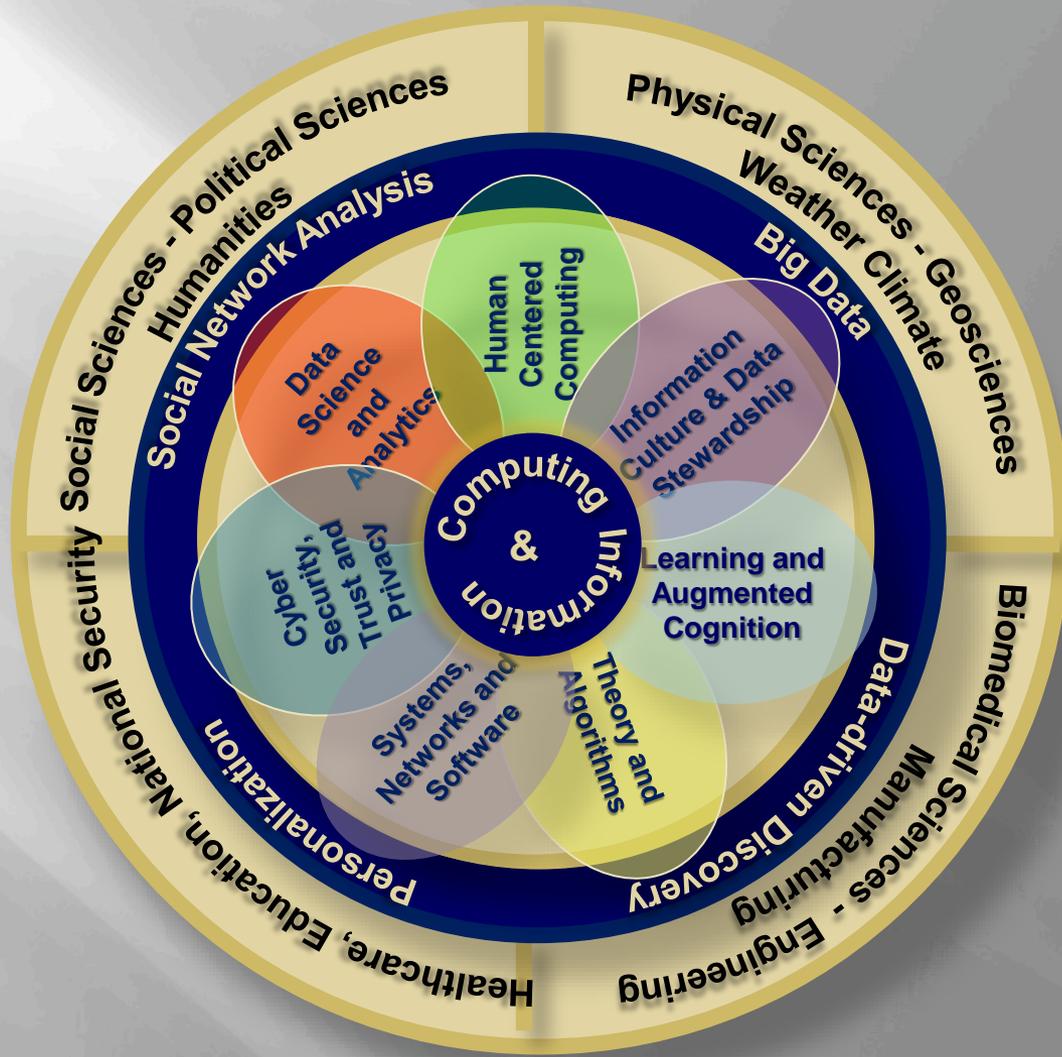
Core Leadership in Planning



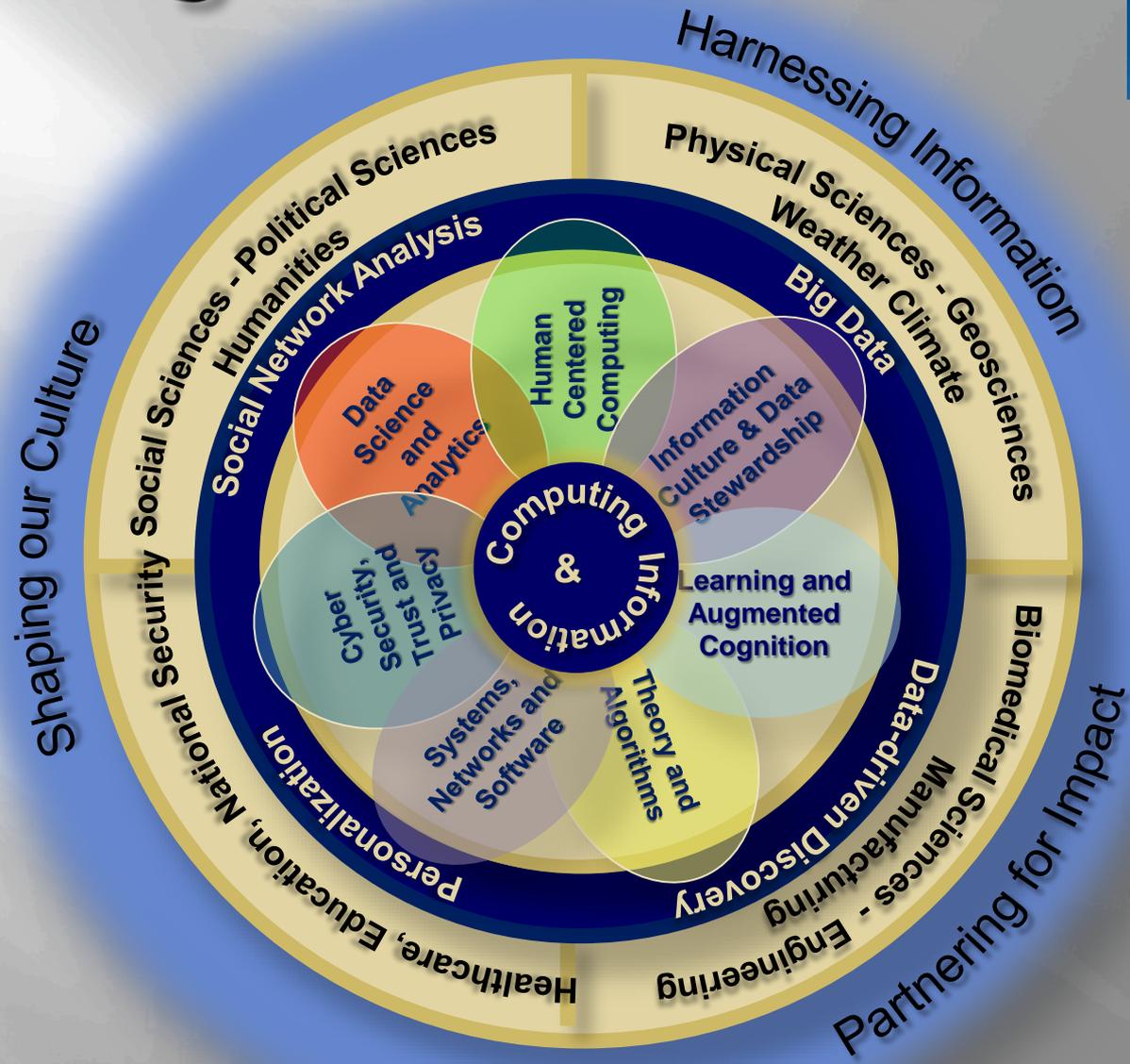
Timeline

- ▣ **April 2015** – Provost invited proposal for new academic unit consolidating SIS & CS
- ▣ **May 2015** – Leadership teams formed
- ▣ **Summer & Fall 2015** –
 - Core concepts emerge in meetings across university
 - External consultants review & enrich context
- ▣ **Spring 2016** – Proposal for School of Computing & Information developed
 - Reviewed by the Dietrich School of Arts & Sciences and by the School of Information Sciences
 - Approved by both Planning & Budgeting Committees
 - Approved by both Councils
- ▣ **Summer 2016** – SCI Proposal submitted to Provost
- ▣ **Fall 2016** – University level reviews of proposal
 - Provost’s Advisory Committee on Undergraduate Programs (Sept 6)
 - University Council on Graduate Studies (Sept 13)
 - Board of Visitors (Sept 19 – 20)
 - University Planning and Budgeting Committee (Oct 31)
 - Provost & Chancellor
 - Board of Trustees
- ▣ **Spring 2017** – Administrative transition
- ▣ **July 1, 2017** – School of Computing & Information launched
- ▣ **Fall 2017** – First cohort of SCI students matriculate

Building on Core Strength

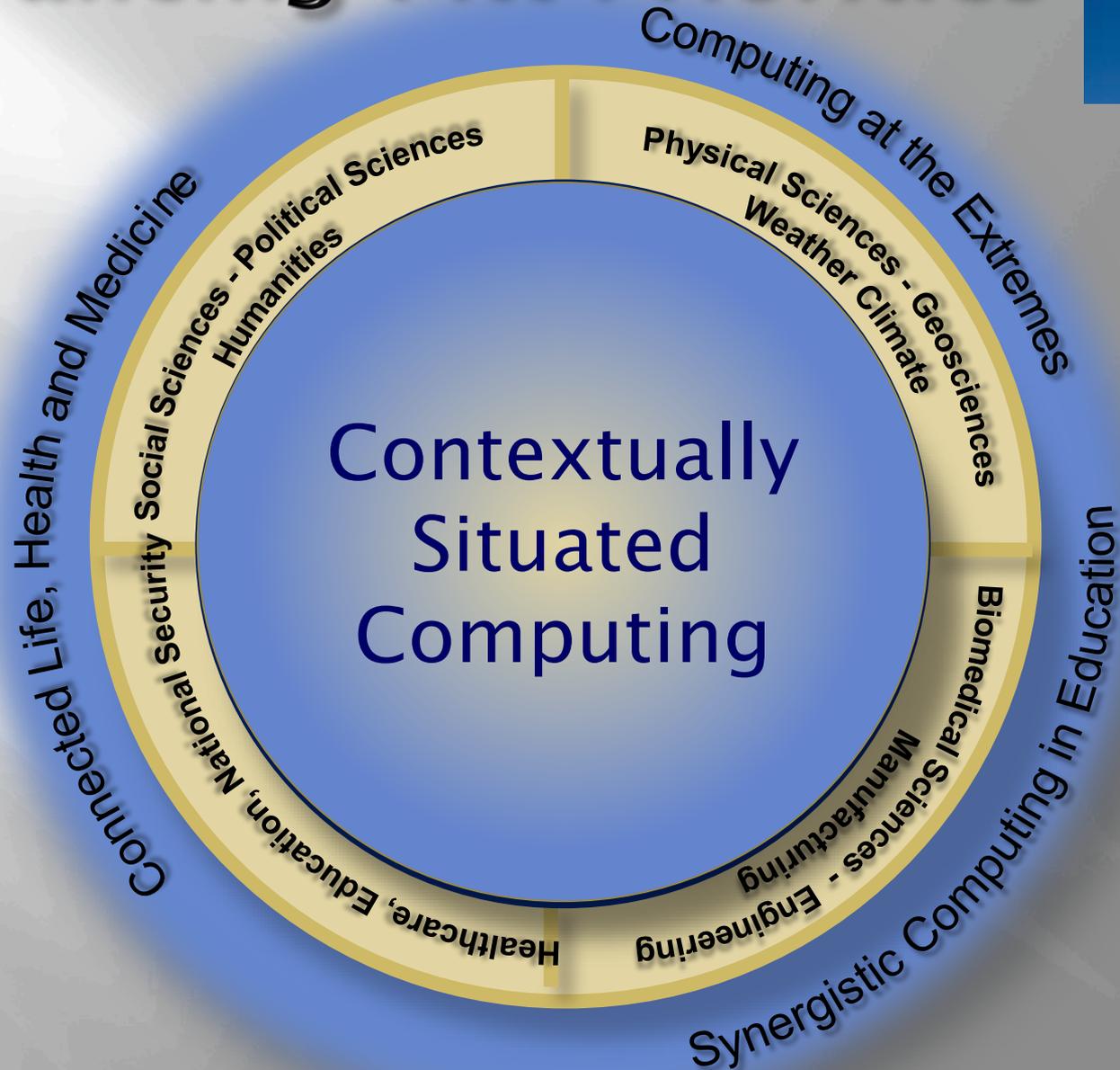


Linking to Pitt Drivers

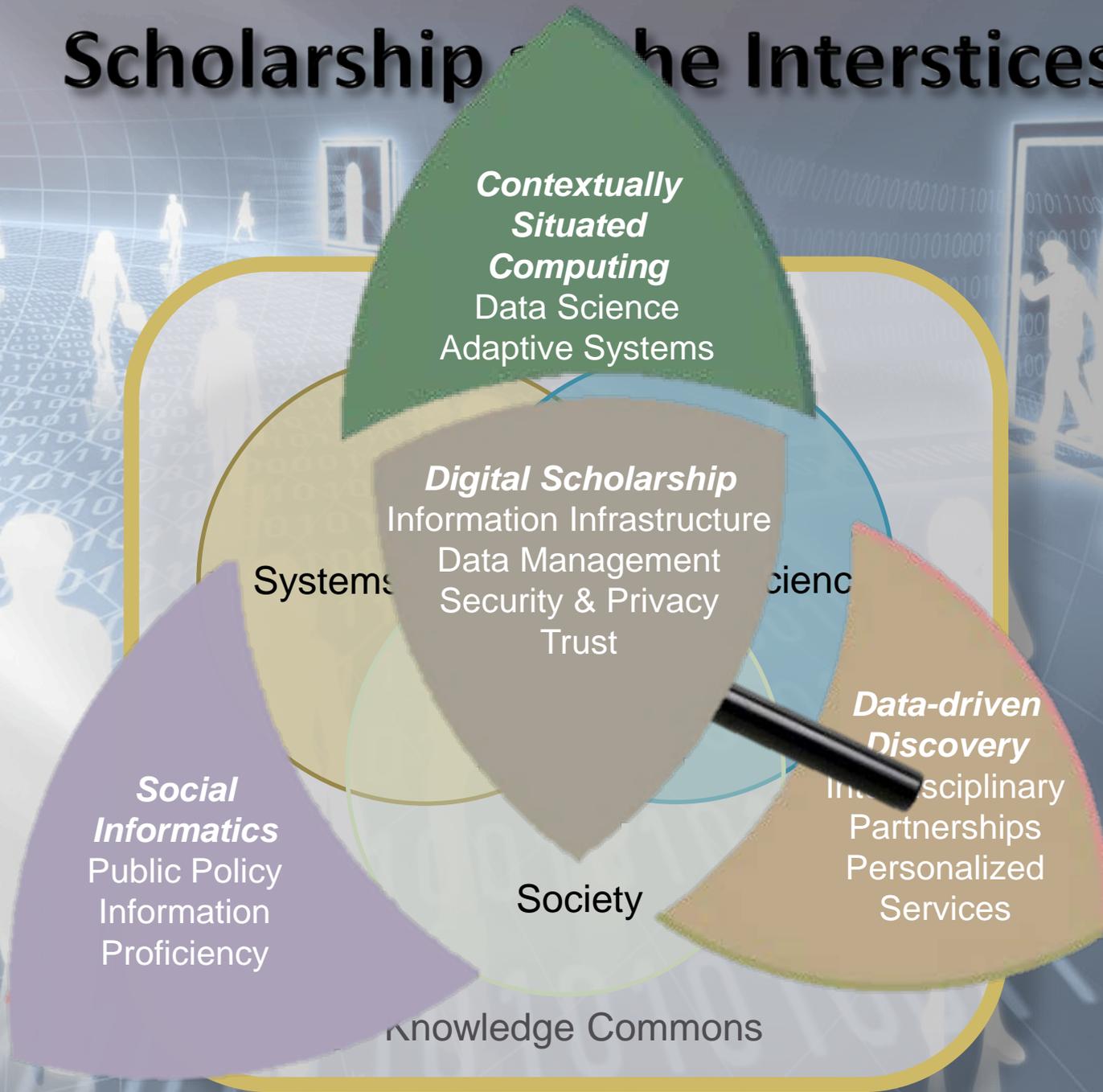


Advancing Pitt Priorities

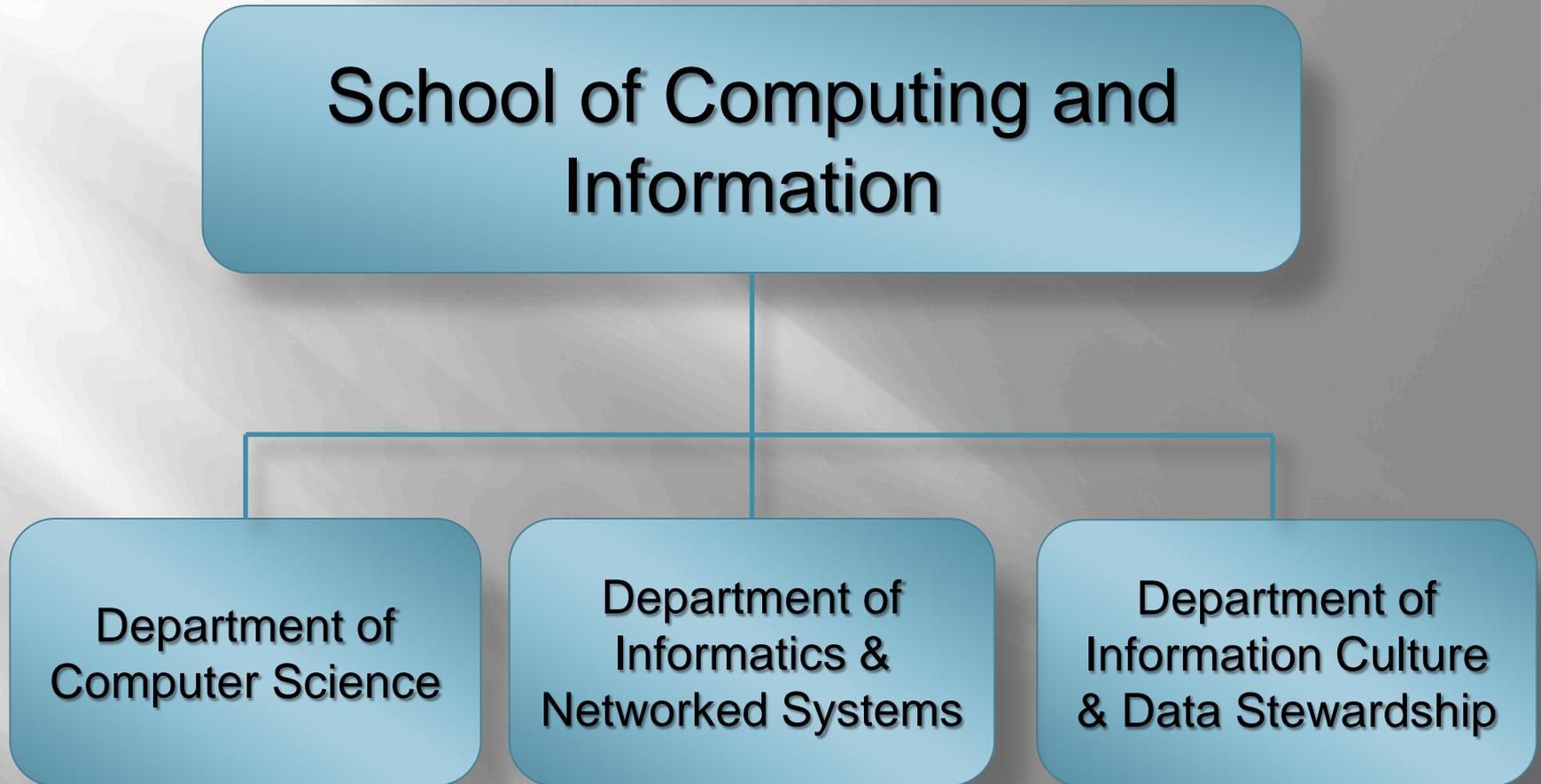
The Plan for Pitt
Making a Difference Together
Academic Years 2016-2020



Scholarship in the Interstices



Initial Structure*



* To be reconsidered in ~5 years

Undergraduate Education

- ▣ Existing degree programs to be continued
 - BS in Computer Science
 - BS in Information Science
 - Joint programs
 - ▣ Computer Engineering
 - ▣ Bioinformatics
- ▣ New joint programs to be developed
 - Introduction of a “2+X” programs
 - ▣ Interweaved program
 - 2 years’ equivalent in computing and information education
 - 2 years’ equivalent in application domain
 - ▣ Candidate areas of interest
 - Computational Science
 - Health Informatics

Graduate Education

- ▣ Existing degrees programs to be continued
 - MSCS, MSIS, MST, MLIS
 - PhD in CS, IS, LIS
 - Joint programs
 - ▣ MS with GSPIA
 - ▣ PhD with Computer Engineering
- ▣ Candidates for new SCI degree programs or specializations
 - Privacy and Security
 - Data stewardship
 - Cyber-Physical Systems
 - Internet of Things
 - Technology and Society
- ▣ Candidates for new joint programs
 - Big Data, Data Science and Data Analytics (Biomedical Informatics)
 - Urban Informatics (GSPIA, Social Work, UCIS)
 - Geomatics (Geology)
 - Public Health, Health Informatics, Clinical Informatics (GSPH, SHRS)
 - Computer Science for All (School of Education, LRDC)

What Consultants Say...

- ▣ “THIS BIG EFFORT WILL PAY OFF IF IT LEADS TO SOMETHING NEW AND EXCITING”
 - John King, University of Michigan

- ▣ “FORWARD-THINKING AND COLLABORATIVE EFFORTS TO DEVELOP INTERDISCIPLINARY SYNERGIES AMONG FACULTY ARE CRITICAL TO ACHIEVING THE STRATEGIC GOALS OF THE NEW SCHOOL”
 - Clifford Lynch, Coalition for Networked Information

- ▣ “CREATE INNOVATION ENGINES TO ACT LIKE ‘THINK TANKS’ FOR INVESTIGATION, INNOVATION, AND EXPERIMENTATION”
 - Richard DeMillo, Georgia Tech

Thank You!

Questions?