Transforming the Missions and Outputs of Research Universities for the 21ˢᵗ Century: Will Information Technology Be the Critical Driver?

Tuesday Afternoon and Evening, June 19, National Academies Building, 2101 Constitution Avenue, NW

Afternoon   Issue Groups   (Research Commercialization, 3:00 PM, NAS 280)
                                            (S&E Workforce, 4:00 PM, NAS Board Room)
                                            (Research Vitality, 4:00 PM, NAS 250)

5:30 PM   Cocktail Reception: Rotunda

6:00 PM   Dinner: Member's Room

                     The Impacts of Information Technology on the Research University: Major Issues Identified by the National Academies Project

                     James Duderstadt, President Emeritus, University of Michigan

- Context, background, and progress of the National Academies project
- Why is the subject important, and what impact has the project had?
- Why does IT deserve a special focus in thinking about the transformation of research universities?

                     Open Discussion

8:30 PM   Adjourn

Wednesday Morning, June 20, Green Building, 2001 Wisconsin Avenue, NW, Room 104

7:30 AM   Continental Breakfast

8:00   Opening Remarks (Bill Joyce)

8:10   Recap of Evening Discussion (James Duderstadt)

8:20   **What Are the IT Drivers for Change in Research Universities?**

                     Stuart Feldman, President, IBM Worldwide Computing
                     Douglas Van Houweling, CEO, University Corporation for Advanced Internet Development

8:50   Discussion

                     Possible Questions

- Over the next decade, which research university functions will be most affected by advances in IT?
- Which traditional and emerging roles of research universities are amenable to an "e-commerce" approach?

- Will the environment become more "market-fragmented" as competitors to research universities appear and leading faculty producers of intellectual capital sell on the open market?
- Are universities "behind the curve" in terms of IT transformation, compared with other major societal institutions?

9:30   Break

9:45   **Implications and Responses for Research Universities and Their Stakeholders**

Robert Zemsky, Chair of the Higher Education Division, University of Pennsylvania
Marye Anne Fox, Chancellor, North Carolina State University

10:15   Discussion

Possible Questions

- Are there universities that are responding effectively today? Are there differences between public and private institutions? How can their experiences be disseminated? What should be the role of groups like AAU, etc.?
- How can research universities work more effectively with industry and government stakeholders?
- Are there examples of ineffective responses? Are institutions learning?
- What do universities and their constituents need to do to adapt?
- What is industry's stake in the successful transformation of research universities?

10:45   **What Are the Next Steps for Universities, Government, Industry, the Research Roundtable, and the National Academies?**

Wm. A. Wulf, President, National Academy of Engineering

11:00 AM   Discussion

12:00 PM   **Working Lunch: Group Reports, FDP Report, and Other Roundtable Business**

1:00   Adjourn