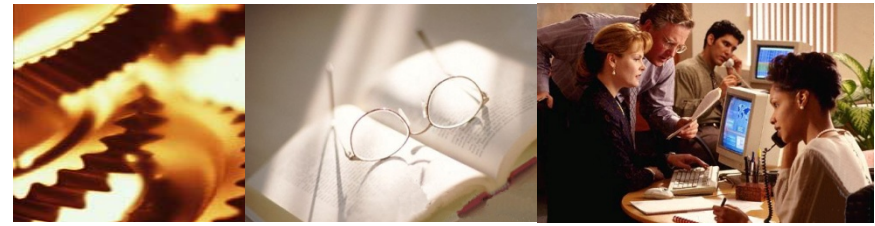


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Financing and Restructuring Doctoral Education in the Future

by

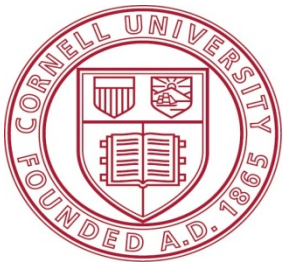
Ronald G. Ehrenberg

Cornell Higher Education Research Institute

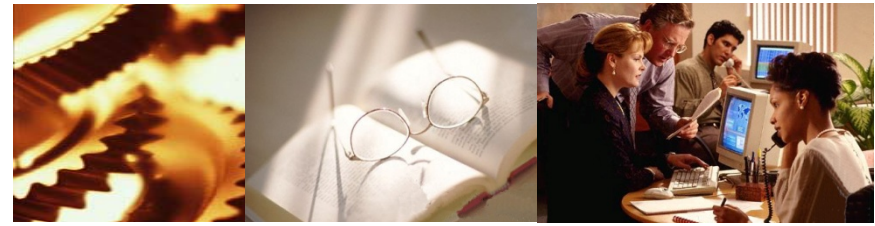
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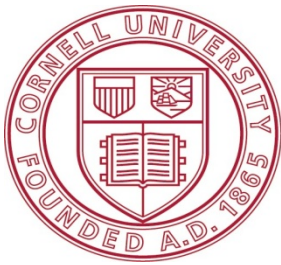


Threats to Our Nation's Doctoral Programs

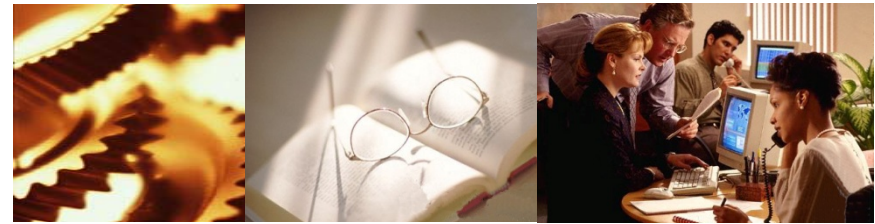
- **Current Economic Problems and Political Forces Facing Privates (and Publics)**
- **Pressures to Expand Undergraduate Access and Persistence**
- **Financial Problems of the Publics**
- **Changing Nature of Faculty Positions**
- **Implications of Above Forces**



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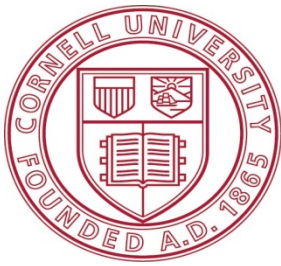


Current Economic Problems and Political Forces

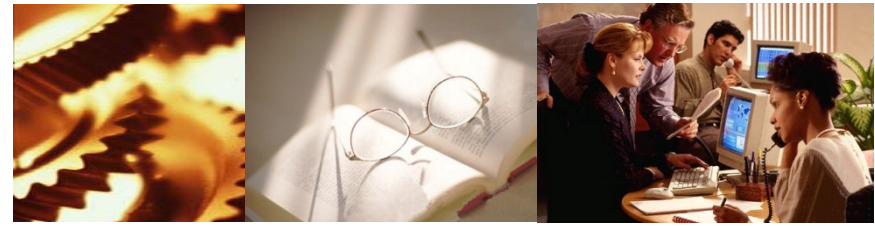
- **Falling Endowments and Annual Giving**
- **Increased Undergraduate Financial Need and Tuition Discounting**
- **Sense that our higher education system is failing**
- **Political pressure to raise spending on undergraduate financial aid**



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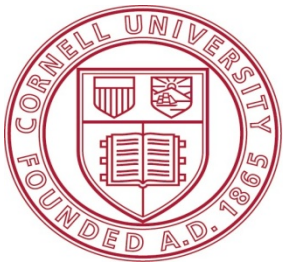


Unique Problems of Public Research Universities

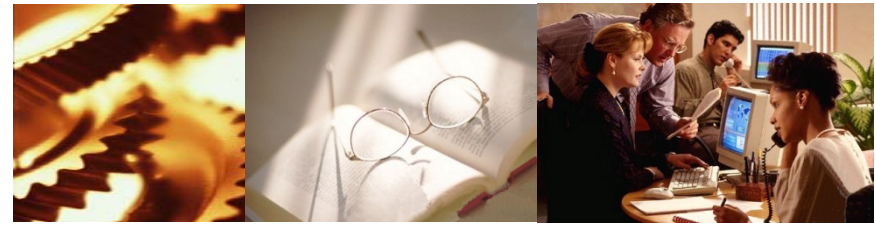
- **Declining Resource Base**
- **High Spending per student relative to other publics but most enroll relatively few Pell Grant recipients**
- **States have an incentive to under invest in public higher education, especially doctoral education, because of mobility of graduates**



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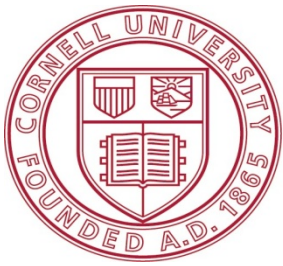


Changes in the Academic Labor Market

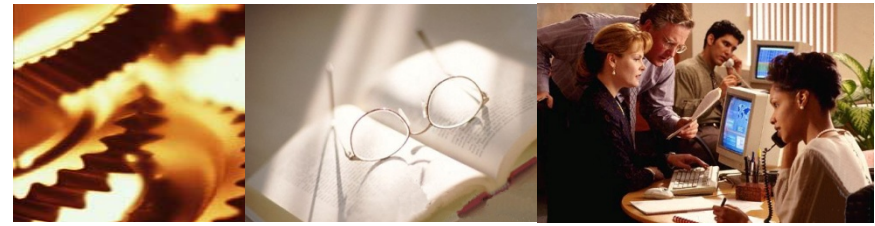
- **Decline of Full-time Tenured and Tenure Track Faculty Shares**
- **Increasing Share of Faculty without doctoral degrees**
- **Leads to Reduced Attractiveness of Doctoral Study**



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Looking to the Future

- **Need for Increased Federal Role**
- **Shared State/Federal Responsibility For the Publics**
- **Incentives for both publics and privates to spend more**
- **Institutional Efforts to Improve Performance of PhD programs building on CGS and Mellon studies**
- **Restructuring programs and how we measure their success**



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