

Table 1
Two Academic Systems

	<u>Academic Professionalism</u>	<u>Academic Innovationism</u>
Orientation	Academic Peers Unsolved Problems in Field New/Refined Methods	New Technology Development Use-Inspired Research
Main Intellectual Structures	Disciplines Sub-disciplines Organized Research Units	Interdisciplinary Teams Centers and Institutes connected to the Economy
Scope	All Fields (albeit strongly influenced by funding/status)	Applied Science and Engineering
Research Funding	Primarily Federal and University Self-Funded	State-Industry-University Partnerships
Relation to Economy	Limited in Relation to All Research High in Relation to Research in Select Fields High in Labor Force Preparation	Targeted to Discoveries with Commercial Potential STEM-centered in Education
Key Relational Institutions	Professions Cultural Organizations News and Opinion Media Public Officials Industry Groups Community Organizations	Firms/Industry Groups State Economic Development Offices Technology Transfer Offices
Pattern of Influence In Society	Limited, and Reciprocal	Serves Economic Development Bi-directional and Interactive
Key Actors	All Research Faculty	Top 1% of Scientists/Engineers Faculty Entrepreneurs Vice Chancellors for Economic Development
Metrics	Publications Citations Academic Honors Institutional Reputation	Patents Licenses Start-Ups Industry Cluster Formation
Guides to System	Early Burton Clark Chr. Jencks/David Riesman Clark Kerr	Michael Crow/William Dabars Elizabeth Berman Roger Geiger/Creso Sa