Survey in Science and Technology Policy
(STP601)
Spring 2010, KAIST
Wednesday, 7:00-9:30 pm, STP Seminar room (N4 1316)

Instructor: Professor Buhm Soon Park
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Course Description
This course explores major issues in science and technology policy, introducing basic research methodologies.

Course Requirements and Grading
- Participation in discussion and weekly writings (2-3 pages, double-spaced): 50 %.
- Term paper (10-12 pages, double-spaced): 50%

Books recommended to purchase
- Harry Collins and Robert Evans, Rethinking Expertise (Chicago: University of Chicago Press, 2007)

N.B.: Other reading materials will be provided to all participants in PDF files via email.

Weekly Schedule
Week 1 (2/3): Making Space for STP

Week 2 (2/10): Political analysis (with Prof. So Young Kim)
So Young Kim, “Technological Kuznets Curve? Technology, Income Inequality, and Government Policy,” under review for *Science and Public Policy*

Week 3 (2/17): Historical analysis (with Prof. Michael Pak)
- Carl Becker, “Everyman His Own Historian,” *American Historical Review* Vol.37, no.2 (Jan 1932): 221-236
- Michael S. Pak, “The Entrepreneurial University: The American Model and Its Relevance for the Global Science and Technology Parks Movement”

Week 4 (2/24): Economic analysis (with Prof. Wonjoon Kim)

Week 5 (3/3): STS analysis
- Bruno Latour, “Give Me a Laboratory and I Will Raise the World,” in *Science*
Week 6 (3/10): The Birth of the Linear Model

Week 7 (3/17): Science Advising

Week 8 (3/24): Mid-term Break (no class)

Week 9 (3/31): The Power Elite

Week 10 (4/7): Science, Democracy, and Elitism
- David H. Guston, *Between Politics and Science: Assuring the Integrity and Productivity of Research* (Cambridge: Cambridge University Press, 2000), ch. 1 and 2

Week 11 (4/14): Science and Economy
• Lewis M. Branscomb and James H. Keller, “Towards a Research and Innovation Policy,” in *ibid.*, pp. 462-496

Week 12 (4/21): Expertise
• Harry Collins and Robert Evans, *Rethinking Expertise* (Chicago: University of Chicago Press, 2007)

Week 13 (4/28): Science and Risk Assessment

Week 14 (5/5): National Holiday (no class)

Week 15 (5/12): Beyond the Linear Model

Week 16 (5/19): Term Paper Presentation

Week 17 (5/26): Term Paper Due (at noon)