

## **Loet Leydesdorff**

Loet Leydesdorff (Ph.D. Sociology, M.A. Philosophy, and M.Sc. Biochemistry) is Professor at the Amsterdam School of Communications Research (ASCoR) of the University of Amsterdam. He is Honorary Professor of the Science and Technology Policy Research Unit (SPRU) of the University of Sussex, and Visiting Professor of the Institute of Scientific and Technical Information of China (ISTIC) in Beijing and Visiting Professor at Birkbeck, University of London. He has published extensively in systems theory, social network analysis, scientometrics, and the sociology of innovation (see for a list of publications at <http://www.leydesdorff.net/list.htm> ). With Henry Etzkowitz, he initiated a series of workshops, conferences, and special issues about the Triple Helix of University-Industry-Government Relations. He received the Derek de Solla Price Award for Scientometrics and Informetrics in 2003 and held “The City of Lausanne” Honor Chair at the School of Economics, Université de Lausanne, in 2005. In 2007, he was Vice-President of the 8th International Conference on Computing Anticipatory Systems (CASYS’07, Liège).

### ***Areas of interests in a GEUM sphere:***

Scientometrics, information science, self-organization, science & technology studies, network analysis

### ***Main works and publications:***

The Triple Helix, Quadruple Helix, ..., and an N-tuple of Helices: Explanatory Models for Analyzing the Knowledge-based Economy, *Journal of the Knowledge Economy* 3(1) (2012) 25-35; doi: 10.1007/s13132-011-0049-4); Ki-Seok Kwon, Han Woo Park, Minh So, and Loet Leydesdorff, Has Globalization Strengthened South Korea’s National Research System? National and International Dynamics of the Triple Helix of Scientific Co-authorship Relationships in South Korea, *Scientometrics* 90(1) (2012) 163-176; doi: 10.1007/s11192-11011-10512-11199. Triple Helix of University-Industry-Government Relations, in: Elias G. Carayannis (Ed.), *Encyclopedia of Creativity, Innovation, and Entrepreneurship*, New York: Springer, 2013, pp. 1844-1851; with an additional note on N-Tuple of Helices, in: *ibidem*, pp. 1400-1402. Sociological and Communication-Theoretical Perspectives on the Commercialization of the Sciences, *Science & Education* 22(10) (2013) 2511-2527; <http://www.leydesdorff.net/list.htm> Loet Leydesdorff & Martin Meyer, A Reply to Etzkowitz’ Comments to Leydesdorff & Martin (2010): Technology Transfer and the End of the Bayh-Dole Effect, *Scientometrics* (in press). Loet Leydesdorff, Han Woo Park, and Balazs Lengyel, A Routine for Measuring Synergy in University-Industry-Government Relations: Mutual Information as a Triple-Helix and

Quadruple-Helix Indicator, *Scientometrics* (in press). Loet Leydesdorff & Øivind Strand, The Swedish System of Innovation: Regional Synergies in a Knowledge-Based Economy, *Journal of the American Society for Information Science and Technology* 64(9) 1890-1902; DOI: 10.1002/asi.22895. Inga A. Ivanova and Loet Leydesdorff, Rotational Symmetry and the Transformation of Innovation Systems in a Triple Helix of University-Industry-Government Relations. *Technological Forecasting and Social Change* (in press). Balazs Lengyel, Tamás Sebestyén, and Loet Leydesdorff, Challenges for regional innovation policies in CEE countries: spatial concentration and foreign control of US patenting, *Science and Public Policy* (in press). Øivind Strand and Loet Leydesdorff, Where may Synergy be Indicated in the Norwegian Innovation System? Triple-Helix Relations among Technology, Organization, and Geography, *Technology Forecasting and Social Change* 80(3) (2013) 471-484; available at <http://dx.doi.org/10.1016/j.techfore.2012.08.010> Fred Y. Ye, Susan S. Yu, and Loet Leydesdorff, The Triple Helix of University-Industry-Government Relations at the Country Level, and Its Dynamic Evolution under the Pressures of Globalization, *Journal of the American Society for Information Science and Technology* 64(11) (2013), 2317-2325. Институциональное моделирование инновационного развития: от тройной к N-спиралям, translated by Marina Leonova; Conference "Marketing and Society," Kazan, 2013, pp. 97-99. Loet Leydesdorff and Ping Zhou, Measuring the Knowledge-Based Economy of China in terms of Synergy among Technological, Organizational, and Geographic Attributes of Firms, *Scientometrics* (in press). Mark Deakin and Loet Leydesdorff (2014), The Triple Helix Model of Smart Cities: a neo-evolutionary perspective, pp. 134-149 in: Mark Deakin (Ed.), *Smart Cities: Governing, modelling and analysing the transition*. London/New York: Routledge. Loet Leydesdorff, Evgeniy Perevodchikov, and Alexander Uvarov, Measuring Triple-Helix Synergy in the Russian Innovation Systems at Regional, Provincial and National Levels, *Journal of the Association for Information Science and Technology* (forthcoming). Inga Ivanova and Loet Leydesdorff, Redundancy Generation in University-Industry-Government Relations: The Triple Helix Modeled, Measured, and Simulated, *Scientometrics* (forthcoming). Balazs Lengyel and Loet Leydesdorff, Diverse Effects of Foreign Investments in the Regional Innovation Systems of Hungary: Synergy Measurement Based on Complexity Theory and Entropy Statistics (in preparation). Helen Lawton Smith and Loet Leydesdorff, The Triple Helix in the Context of Global Change: Dynamics and Challenges (in preparation)