

03.10.2026

Author

AMARA, Nabil (LANDRY, Réjean; HALILEM, Norrin)

Title

Faculty consulting in natural sciences and engineering : between formal and informal knowledge transfer / Nabil Amara ; Réjean Landry ; Norrin Halilem

Publication year

2013

Source/Footnote

In: Higher education. - 65 (2013) 3, S. 359 - 384

Inventory number

34256

Keywords

Ausland : Kanada : Forschung, Hochschullehrer ; Prüfungsordnungen : Naturwissenschaften ; Prüfungsordnungen : Ingenieure (allg.)

Abstract

Academic consulting is a form of knowledge and technology transfer largely under-documented and under-studied that raises ethical and resources allocation issues. Based on a survey of 2,590 Canadian researchers in engineering and natural sciences, this paper explores three forms of academic consulting: (1) paid consulting; (2) unpaid consulting for companies and; (3) unpaid consulting for government agencies. The results of this study show that academics tend to engage simultaneously in paid and unpaid consulting. Two patterns of consulting emerged from the results: a first pattern regarding engagement in paid consulting for companies and government agencies, and unpaid consulting for companies is positively associated with industry funding, size of research laboratories, large-sized research universities, technical validation of knowledge, protection of IP, and strong ties with people in companies. By comparison, a second pattern regarding engagement in unpaid consulting services provided to government organizations is positively associated with size of

03.10.2026

research laboratories, teaching, large-sized research universities, technical validation of knowledge, and with strong ties with people in government organizations. Knowledge and technology transfer policy should pay more attention to the contribution of academics engaged in consulting activities because they likely significantly contribute to help companies and government agencies solve practical problems that improve their productive and innovative capabilities (HRK / Abstract übernommen) Amara, Nabil, E-Mail: Nabil.amara@mng.ulaval.ca