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Entrepreneurship education and the business school

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Abstract

This paper examines entrepreneurship education in the light of debates about the future of the business school, the nature of the MBA, with which management education is generally synonymous, and the links that need to be created between teaching and research. There is increasing focus on the general utility of entrepreneurial skills and aptitudes (i.e. creativity, independent thinking, opportunity recognition and exploitation, etc.), and it is our contention that entrepreneurship education offers an innovative new paradigm for business school education that answers some of the challenges that are currently levelled against the MBA. Given the breadth of relevance in terms of the issues around Entrepreneurship Education and future pedagogical development in Business Schools, this paper is also well placed as a vehicle to introduce the rest of the coverage in this special issue of TASM. This paper therefore also summarises the papers presented in terms of their contribution to our

understanding of the role of entrepreneurship and innovation in higher education. All suggest the need for the broadening of human and social capital, while some propose a fundamental shift in the delivery of professional education.

Notes

1. H. Mintzberg & J. Gosling, Educating managers beyond borders, *Academy of Management Learning and Education*, 1, 2002, pp. 64–76.
2. J. Pfeffer & C. T. Fong, The end of business schools? Less success than meets the eye, *Academy of Management Learning and Education*, 1, 2001, pp. 78–95.
3. Ibid.
4. J. Bailey & C. Ford, Management as science versus management as practice in postgraduate business education, *Business Strategy Review*, 7(4), 1996, pp. 7–12.
5. R. Lambert, Lambert Review of Business–University Collaboration (London:HMSO, 2003); M. Wright, S. Birley & S. Mosey, Entrepreneurship and university technology transfer, *Journal of Technology Transfer*, 29, 2004, pp. 235–246; M. Zeitlyn & J. Horne, Business interface training provision review, Report for DTI, UK, 2002.
6. Bailey & Ford, op. cit., Ref. 4.
7. Wright et al., op. cit., Ref. 5
8. B. Sager, M. G. Fernández & M. Thursby, Implications of a multi-disciplinary educational and research environment: perspectives of future business, law, science, and engineering professionals in the Technological Innovation: Generating Economic Results (TI:GER[®]) Program, *Technology Analysis & Strategic Management*, 18(1), 2006, pp. 57–69.
9. P. Westhead & H. Matlay, Skills associated with employment positions in SMEs and favourable attitudes toward self-employment: longitudinal evidence from students who participated in the Shell Technology Enterprise Programme, *Technology Analysis & Strategic Management*, 18(1), 2006, pp. 93–124.

10. Mosey et al., Creating network bridges for university technology transfer: the Medici Fellowship Programme, *Technology Analysis & Strategic Management*, 18(1), 2006, pp. 71-91.
11. H. Löbler, Learning entrepreneurship from a constructivist perspective, *Technology Analysis & Strategic Management*, 18(1), 2006, pp. 19-38.
12. D. Rae, Entrepreneurial learning: a conceptual framework for technology-based enterprise, *Technology Analysis & Strategic Management*, 18(1), 2006, pp. 39-56.
13. Binks et al., Entrepreneurship education and the business school, *Technology Analysis & Strategic Management*, 18(1), 2006, pp. 1-18.
14. J. Chamard, Public education: its effect on entrepreneurial characteristics, *Journal of Small Business and Entrepreneurship*, 6, 1989, pp. 23-30.
15. H. von Förster, Perception of the future and the future of perception, *Instructional Science*, 1, 1971, pp. 31-43.
16. M. L. Kourilsky, Predictors of entrepreneurship in a simulated economy, *Journal of Creative Behavior*, 14, 1980, pp. 175-198.
17. E. von Glasersfeld, Radical constructivism and teaching, Scientific Reasoning Research Institute, University of Massachusetts, 2000.
18. N. F. Krueger & D. V. Brazeal, Entrepreneurial potential and potential entrepreneurs, *Entrepreneurship: Theory and Practice*, 18, 1994, pp. 91-104; M. L. Kourilsky & W. B. Walstad, Entrepreneurship and female youth: knowledge, attitudes, gender differences and educational practices, *Journal of Business Venturing*, 13, 1998, pp. 77-88; G. Gorman, D. Hanlon & W. King, Some research perspectives on entrepreneurship education, enterprise education and education for small business management: a ten-year literature review, *International Small Business Journal*, 15, 1997, pp. 56-77.
19. Kourilsky, op. cit., Ref. 16; Kourilsky & Walstad, op. cit., Ref. 18.
20. Löbler, op. cit., Ref. 11.
21. E. von Glasersfeld, *Radical Constructivism: A Way of Knowing and Learning* (London, Falmer Press, 1995).
22. B. L. Shapiro, *What Children Bring to Light* (New York, Teachers College Press, 1994).

23. C. Chaillé & L. Britain, *The Young Child as Scientist* (Boston, Allyn & Bacon, 2003); C. Kamii, *Young Children Reinvent Arithmetic* (New York, Teachers College Press, 2000).
24. Rae, *op. cit.*, Ref. 12.
25. P. Davidsson, M. Low & M. Wright, Editor's introduction: Low and MacMillan ten years on: achievements and future directions for entrepreneurship research, *Entrepreneurship Theory and Practice*, 25 (4), 2001, pp. 5–15.
26. M. Binks & P. Vale, *Entrepreneurship and Economic Change* (Maidenhead, McGraw-Hill, 1990).
27. M. Minniti & W. Bygrave, A dynamic model of entrepreneurial learning, *Entrepreneurship Theory and Practice*, 25(3), 2001, pp. 5–16.
28. C. Spinosa, F. Flores & H. Dreyfus, *Entrepreneurship, Democratic Action and the Cultivation of Solidarity* (Cambridge, MA, MIT Press, 1997).
29. J. Potter & M. Weatherall, *Discourse and Social Psychology* (London, Sage, 1987).
30. Sager, *op. cit.*, Ref. 8.
31. Committee on Science Engineering and Public Policy (COSEPUP), *Reshaping the Graduate Education of Scientists and Engineers* (Washington, DC, The National Academies Press, 1995).
32. Mosey, *op. cit.*, Ref. 10.
33. S. Slaughter & L. L. Leslie, *Academic Capitalism, Politics, Policies and the Entrepreneurial University* (Baltimore, MD, The Johns Hopkins University Press, 1997).
34. G. D. Markman, P. T. Gianiodis, P. H. Phan & D. B. Balkin, Entrepreneurship from the Ivory Tower: Do incentives matter?, *Journal of Technology Transfer*, 29, 2004, pp. 291–313.
35. N. Waesche, *Internet Entrepreneurship in Europe: Venture Failure and the Timing of Telecommunications Reform* (Cheltenham, Edward Elgar, 2003).
36. A. Afuah, *Innovation Management: Strategies, Implementation, and Profits* (Oxford, Oxford University Press, 2003).
37. D. Aldrich, *Mastering the Digital Marketplace* (Chichester, John Wiley, 1999).

38. D. De Faoite, C. Henry, K. Johnston & P. Van der Sijde, Education and training for entrepreneurs: a consideration of initiatives in Ireland and The Netherlands, *Education and Training*, 45, 2003, pp. 430–438.
39. Department for Education and Employment (DfEE), *The National Skills Agenda: Opportunity and Skills in the Knowledge-Driven Economy. A Final Statement on the Work of the National Skills Task Force from the Secretary of State for Education and Employment* (Nottingham, DfEE Publication, 2001).
40. Pfeffer & Fong, op. cit., Ref. 2.
41. Mintzberg & Gosling, op. cit., Ref. 1.
42. Ibid.
43. Pfeffer & Fong, op. cit., Ref. 2.
44. Ibid.
45. Bailey & Ford, op. cit., Ref. 4.
46. J. S. Armstrong, The devil's advocate responds to an MBA student's claim that research harms learning, *Journal of Marketing*, 59, 1995, 101–106.
47. D. Hambrick, What if the academy actually mattered?, *Academy of Management Review*, 19, 1993, 11–16.
48. Pfeffer & Fong, op. cit., Ref. 2.
49. H. J. Leavitt, Educating our MBAs: on teaching what we haven't taught, *California Management Review*, 31 (3), 1989, 38–50.
50. S. E. Harris, *Economics of Harvard* (New York, McGraw-Hill, 1970).
51. Slaughter & Leslie, op. cit., Ref. 33.
52. H. Nowotny, P. Scott & M. Gibbons, *Rethinking Science: Knowledge and the Public in an Age of Uncertainty* (Cambridge, Polity Press, 2001).
53. G. Delanty, *Challenging Knowledge. The University in the Knowledge Society* (Buckingham, The Society for Research into Higher Education & Open University Press, 2001).

54. D. Bok, *Universities and the Future of America* (Durham, NC, Duke University Press, 1990).
55. Delanty, *op. cit.*, Ref. 53.
56. M. Walshok, *Knowledge Without Boundaries: What Americas Research Universities Can Do For the Economy, the Workplace and the Community* (San Francisco, CA, Jossey-Bass, 1995).
57. *Ibid.*
58. J. Kao, *Entrepreneurship, Creativity and Organisation* (Englewood Cliffs, NJ, Prentice Hall, 1989).
59. H. G. J. Aitken, The future of entrepreneurial research, *Explorations in Entrepreneurial History* (Ser. 2) 1, 1963, pp. 3–9.
60. B. R. Rich & L. Janos, *Skunk Works* (USA, Ben R. Rich, 1994).
61. K. Starkey & P. Madan, Bridging the relevance gap: aligning stakeholders in the future of management research, *British Journal of Management*, 12, Special issue, 2001, S3–S26.
62. Walshok, *op. cit.*, Ref. 55, 1995.
63. J. B. Say, *A Treatise on Political Economy: Or, the Production, Distribution and Consumption of Wealth* (New York: Augustus M. Kelley, 1964); M. C. Casson, *The Entrepreneur: An Economic Theory* (Oxford, Martin Robertson, 1982).
64. J. A. Schumpeter, *The Theory of Economic Development* (Cambridge, MA, Harvard Business School Press, 1934).
65. *Ibid.*
66. M. T. Huber & P. Hutchings, Integrative learning: mapping the terrain, *The Association of American Colleges and Universities and the Carnegie Foundation for the Advancement of Teaching*, 2004.
67. E. Lumsdaine & M. R. Binks, *Entrepreneurship, Creativity and Effective Problem Solving: Keep on Moving!* (Hancock, MI: E&M Lumsdaine Solar Consultants, 2005).

68. K. H. Vesper, Entrepreneurship Education 1985 (Wellesley, MA, Babson College, 1985).

69. K. H. Vesper, Entrepreneurship Education 1993 (Los Angeles, CA, UCLA, 1993).

70. D. Fenn, The prophet minded professor, INC Magazine, 16 May 2000.

71. R. W. Bednarzik, The role of entrepreneurship in U.S. and European job growth, Monthly Labor Review, July 2000, pp. 3-13; A. Charney & G. D. Libecap, The impact of entrepreneurship education, an evaluation of the Berger Entrepreneurship Program at the University of Arizona, 1985-1999, Tucson, AZ, Karl Eller Center, University of Arizona, 2000.

72. A. Charney & G. D. Libecap, The Impact of Entrepreneurship Education, An Evaluation of the Berger Entrepreneurship Program at the University of Arizona, 1985-1999 (Tuscon, Arizona, Karl Eller Center, University of Arizona, 2000).

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