Acknowledgment

The United College Distinguished Visiting Scholar Committee acknowledges with thanks the generous grant from the United College Endowment Fund which has made possible the visit of Professor Erkko Autio, Chair Professor, Technology Venturing and Entrepreneurship, Imperial College Business School, London, United Kingdom; Research Professor (part time), Entrepreneurship, Tilburg University School of Economics and Management, Netherlands; Co-founder, Global Entrepreneurship Monitor; Co-founder, Global Entrepreneurship and Development Institute, to United College as our Distinguished Visiting Scholar in 2017-18.

Distinguished Visiting Scholar Committee
United College
Professor Erkko AUTIO

Chair Professor, Technology Venturing and Entrepreneurship
Imperial College Business School, London

Research Professor (part time), Entrepreneurship
Tilburg University School of Economics and Management, Netherlands

Co-founder, Global Entrepreneurship Monitor
Co-founder, Global Entrepreneurship and Development Institute

What does internationalisation mean in the digital age?

Thursday, 12 October 2017, 4:30 pm

數碼時代中國際化的意義?

2017年10月12日(星期四)

Venue: Lau Chor Tak Lecture Theatre, Ground Floor, Yasumoto International Academic Park, The Chinese University of Hong Kong

地點：香港中文大學康本國際學術園地下劉佐德演講廳

Lectures in English  英語主講
Enquiries: 39437455 / 39437598
A Warm Welcome to Professor Erkko AUTIO

Professor Erkko Autio is the Chair Professor in Technology Venturing at Imperial College Business School in the United Kingdom. He is also Research Professor at Tilburg University School of Economics and Management in the Netherlands and a co-founder of the Global Entrepreneurship Monitor GEM and the Global Entrepreneurship and Development Institute GEDI.

Professor Autio was born in Rovaniemi, Finland. He received the Master of Science degree and PhD degree in industrial management in 1990 and 1995, respectively, from Helsinki University of Technology, Finland. His research interests are in entrepreneurship and entrepreneurship policy (notably, entrepreneurial ecosystems and National Systems of Entrepreneurship), innovation ecosystems, digitalization, business model innovation and entrepreneurial internationalisation.

Professor Autio is currently exploring the transformative impact of digitalisation on entrepreneurial and innovative activity in the economy (notably, entrepreneurial and innovation ecosystems) and elaborating associated implications for policy. His work on measuring country-level entrepreneurial activity through the lens of the Global Entrepreneurship Index has led him to develop a number of international research collaborations exploring ways to harness entrepreneurial ecosystem to drive the digital transformation of the economy. His research has been published widely in top research journals as well as popular press, and his work has generated over 23,000 citations (Google Scholar). He was recently recognised as one of the top-50 management scholars globally in terms of research impact (graduation 1995 or later; Aguinis et al, 2012).

In addition to research, Professor Autio has been a founder, non-executive director and advisory board member of a number of companies from consultancy to technology-based ventures and venture funds, and he has worked widely with industry and government in Europe and Asia. He has advised the European Commissioner for Innovation and Entrepreneurship on high-growth entrepreneurship policy, chaired the Europe Innova Expert Panel on ‘Gazelle’ Policy from 2006 to 2008, and has served as long-time advisor to the National Technology Agency Tekes and other Finnish government agencies on high-growth entrepreneurship policy. Combined, new ventures started by his former students have generated several billions of Euros of new market value.

In this Distinguished Scholar Lecture Series, Professor Autio will present two talks, “Digitalisation, entrepreneurship, and the economy of the future” and “What does internationalisation mean in the digital age?”
The United College has the honor and privilege to have Professor Erkko Autio as the Distinguished Visiting Scholar of 2017-18. On behalf of the staff and students of the United College, I would like to extend our warmest welcome to Professor Autio and wish him a pleasant stay in the United College Campus and in Hong Kong.

Kevin AU  
Department of Management and  
Center for Entrepreneurship
Lecture One
Digitalisation, entrepreneurship, and the economy of the future
數碼化、創業精神與未來經濟

We are living at an era of digitalisation, where societies and economies are playing catch-up with new opportunities constantly opened by rapidly evolving digital technologies and infrastructures. Although information and communication technologies have shaped economic activity since the 1960s, the current era of digital transformation only truly started to gain momentum during this millennium. Rapidly evolving digital infrastructures create new affordances – or opportunities to perform entirely new functions or perform existing functions much more efficiently than what was possible before. These affordances enable us to re-think how economic and societal value are created, delivered, and captured. Because these affordances are driven by rapidly evolving infrastructures and are thus accessible from everywhere and at any time, the digital disruption is going to affect all sectors of the economy and society. However, the opportunities opened by this change are not immediately obvious: they need to be discovered, usually by entrepreneurs. This is why digitalisation emphasises the importance and roles of entrepreneurship in the economy. Not only is digitalisation shifting the locus of entrepreneurial opportunities in the economy: it is also transforming effective ways of pursuing entrepreneurial opportunities and driving the creation of new structures to facilitate entrepreneurial effort – often referred to as ‘entrepreneurial ecosystems’. In this lecture, I will explore the nature of digitalisation and how it shapes entrepreneurship and the economy.

Lecture Two
What does internationalisation mean in the digital age?
數碼時代中國際化的意義?

It is a paradox of our age of anti-globalisation sentiment that internationalisation and globalisation of business has become more accessible to new and existing businesses than ever before. Beginning around 2004, a series of successive modality changes in the evolution of the Internet have transformed it into a truly global, and to a great extent borderless interaction platform that can support highly complex transactions among multiple parties reliably, securely, and asynchronously. But how exactly is digitalisation transforming new venture internationalisation, and what are the implications for internationalisation theory, practice, and policy? Established internationalisation theories carry many assumptions that are undermined by digitalisation: you have to allocate physical resources to the markets where you operate in; to enter a market you need to access and mobilise resources within that market; internationalisation takes place within a linear value chain. Although digitalisation undermines these basic assumptions, extant conceptual frameworks continue to build on them. At the moment, there is no theoretical framework of entrepreneurial internationalisation that fully accounts for the transformative effects of digitalisation. In this lecture, I will explore how digitalisation changes both the theory and practice of new firm internationalisation. I will also elaborate implications for policy.
1. The first national survey of new, technology-based firms in Finland, in 1988 - 1989. Responsible project researcher. Funding from the National Foundation for R&D SITRA.


5. Comparative study of the spin-off companies of the University of Cambridge, United Kingdom, in 1992. Project co-leader. Co-operation with the University of Cambridge. Funding from the National Foundation for R&D SITRA.


8. Finnish national survey of high potential new, technology-based firms, in 1993. Supporting project researcher. Funding from the National Foundation for R&D SITRA.


11. Research programme on the role of new, technology-based firms in national systems of innovation, in 1993 - 1995. Co-operation with Stanford University, University of Cambridge, University of Sussex, and University of Colorado, Colorado Springs. Programme leader. Responsible project researcher in one of the subprojects of the programme. Funding from the Technology Development Center TEKES.
1. Symplectic and generative impacts of new, technology-based firms in innovation networks. A comparative study between Finland, United Kingdom, and the USA. Responsible project researcher.

2. The catalyzing impact of new, technology-based firms between strategic industry clusters in Finland. Project leader.

3. The acquisition of new, technology-based firms in Finland. Project leader.

4. Comparative research project on the impact of information and communication technologies (ICT) on technological embeddedness in industry structures, 1996 - 1997. Project leader. Funding from the Technology Development Center TEKES. Co-operation with the University of New South Wales, Australia.

5. Survey of the technology needs and the use of external technology services by high technology SMEs and traditional manufacturing SMEs in the Province of Uusimaa, Finland, in 1995. Project leader and responsible project researcher. Funding from the DG XIII of the European Commission.


Global Entrepreneurship Monitor, 1998 - . Project researcher and member of the coordination unit. Co-operation with Babson College, York University, Keio University, EM-Lyon, London Business School, Köln University, Helsinki University of Technology. The project aims at creating a globally recognized indicator of the ability of national economies to support the creation and growth of new firms.


Shadow Project – Business Models of Rapidly-Growing Technology-Based New Firms, 2000 - 2001. Project leader. Funding from Sitra, Tekes, and the Confederation of University Engineers TEK.


34. Global Entrepreneurship Monitor GEM Finland 2003-2005. Project co-leader. Funding from Tekes. (€80k per annum)


36. The Effects of Internationalization on Survival and Growth of New Firms. 2005 – 2008. Swiss National Science Foundation Grant 100012-107997.(CHF 150k)

37. 2 Doctoral Studentship Grants, 2007-2012. UK EPSRC and QinetiQ. (£130k)


39. UK Entrepreneurship Research Centre. Co-Investigator. 2013 – 2016. Funding from BIS and UK ESRC. (£3.8 Million)

40. Big-Science Innovation. Principal Investigator. 2012 – 2013. Funding from the Department of Business Innovation and Skills BIS. (£35k).


42. Platform Value Now. 2015 – 2017. Funding from Finland’s Strategic Research Council. (£4M)

**EU-Funded Research**

1. Regional Innovation and Technology Transfer Strategies and Infrastructures (RITTS) programme in the Helsinki Metropolitan region, 1994 - 1996. Initiated and supervises the project, with a budget of FIM 2 Million. Funding from the EU DG XIII

2. Analysis of the Community Innovation Survey (CIS) data in the pulp and paper industry, 1995 -. Co-operation with the STEP group of the Norske Regnesentraal. Project researcher. Funding from the EU DG XIII. Project continues until 1996

3. Good practice in university-industry technology transfer, in 1995. Project researcher. The research consortium incorporates teams from Sweden, United Kingdom, Germany, Greece, France, Italy, Belgium, and Denmark. Funding from the EU DG XIII

4. Computer based simulation and graphic representation of technological innovation networks, in 1995. Project researcher. The consortium incorporates teams from Germany, Spain, and United Kingdom. Funding from the EU DG XIII


6. Development of an evaluation methodology for the evaluation of science parks, in 1995. Project researcher. Funding from the EU DG XIII
7. Categorization of SMEs in terms of their innovative potential, using readily available data, in 1996. Project researcher. Participating teams from United Kingdom and from France. Funding from the EU DG XIII

8. Good practice analysis and review of innovation management techniques in the MINT (management of the integration of new technologies) programme, in 1996. Project researcher. Participating teams from all European Union countries. Funding from the EU DG XIII

9. Monireg - monitoring the progress toward the information society, in 1996. Finnish project co-ordinator. Participating teams from all European Union countries. Funding from the EU DG XIII


11. Increasing the regional economic impact of the National Technical University of Athens, 1997. Project expert. Funding from the EU DG XIII


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Publications of Professor Erkko AUTIO

(Journal Articles)

A* JOURNALS (ASB 4*)


A JOURNALS (ASB 4)


OTHER JOURNALS WITH A DOUBLE-BLIND REVIEW PROCESS


PRACTITIONER JOURNALS WITHOUT DOUBLE-BLIND PEER REVIEW


ARTICLES IN EDITED BOOKS


### Distinguished Visiting Scholars from 1982 to 2017

<table>
<thead>
<tr>
<th>Year</th>
<th>Name and Institution (Discipline)</th>
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<tbody>
<tr>
<td>Jan 1982</td>
<td>Professor C.N. YANG 楊振寧教授 State University of New York (Physics)</td>
</tr>
<tr>
<td>Apr 1982</td>
<td>Professor Stuart SCHRAM 宣道華教授 University of London (History)</td>
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<tr>
<td>Jan 1983</td>
<td>Professor Ezra VOGEL 傅高義教授 Harvard University (Sociology)</td>
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<td>Dec 1984</td>
<td>Professor Samuel FINER 范乃三教授 Oxford University (Political Science)</td>
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<tr>
<td>Apr 1985</td>
<td>Professor Peng-yuan CHANG 張朋園教授 National Taiwan Normal University (History)</td>
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<tr>
<td>Mar 1986</td>
<td>Professor Lawrence J. LAU 劉遵義教授 Stanford University (Economics)</td>
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<tr>
<td>Sep 1986</td>
<td>Professor K.C. CHANG 張光直教授 Harvard University (Archaeology)</td>
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<tr>
<td>Nov 1986</td>
<td>Professor Shing-shen CHERN 陳省身教授 Nankai University (Mathematics)</td>
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<td>Nov 1986</td>
<td>Dr. Franklin CHANG-DIAZ 張福林博士 NASA Plasma Fusion Center (Space Science)</td>
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<tr>
<td>Jan 1988</td>
<td>Professor Norton GINSBURG 金斯伯教授 East-West Center (Geography)</td>
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<tr>
<td>Nov 1988</td>
<td>Professor Robin M. NORRIS 難理思教授 University of Auckland (Medicine)</td>
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<tr>
<td>Apr 1989</td>
<td>Professor Ky FAN 桐壺教授 University of California, Santa Barbara (Mathematics)</td>
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<tr>
<td>Nov 1989</td>
<td>Professor Jan. SVARTVIK 史華域教授 Lund University (English Language)</td>
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<tr>
<td>Nov 1990</td>
<td>Professor Wlodzimierz BRUS 布魯斯教授 Oxford University (Economics)</td>
</tr>
<tr>
<td>Oct 1991</td>
<td>Professor B. SCHLESINGER 施樂生教授 University of Toronto (Social Work)</td>
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<tr>
<td>Mar 1992</td>
<td>Professor Jonathan SPENCE 史景遷教授 Yale University (History)</td>
</tr>
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<td>Year</td>
<td>Name and Institution (Discipline)</td>
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| Feb 1993 | Professor Kwang-chung YU 余光中教授  
National Sun Yat-sen University (Chinese Language)                                           |
| Apr 1993 | Professor Richard PORTES 潘迪思教授  
University of London (Economics)                                                              |
| Nov 1993 | Professor Sidney GREENBAUM 郭思言教授  
University College London (English Language)                                                    |
| Mar 1994 | Professor Janos KORNAI 康乃爾教授  
Harvard University (Finance)                                                                   |
| Nov 1994 | Professor Feng-sheng HE 何鳳生教授  
Institute of Occupational Medicine (Medicine)                                                   |
| Mar 1995 | Professor James CAHILL 高居翰教授  
University of California (Art History)                                                           |
| Nov 1995 | Professor Graham FISHBURNE 費伯恩教授  
University of Alberta (Education)                                                               |
| Mar 1996 | Professor Shu-peng CHEN 陈述澎教授  
Institute of Remote Sensing Applications  
Chinese Academy of Science (Science)                                                             |
| Oct 1996 | Professor Chia-ying YEH 葉嘉瑩教授  
University of British Columbia (Chinese Language)                                                |
| Nov 1996 | Dr. Leroy CHIAO 何立中博士  
NASA Space Center (Space Science)                                                                 |
| Mar 1997 | Professor Gillian BROWN 貝姬蓮教授  
Cambridge University (English Language)                                                           |
| Dec 1997 | Dr. David Da-i HO 何大一博士  
Aaron Diamond AIDS Research Center (Medicine)                                                     |
| Mar 1998 | Professor John W. REPS 韋約翰教授  
Cornell University (Architecture)                                                                 |
| Oct 1998 | Professor Marilyn S. ALBERT 艾美蓮教授  
Harvard Medical School (Psychology)                                                               |
| Mar 1999 | Professor Harry HARDING 何漢理教授  
The George Washington University (Political Science)                                               |
| Nov 1999 | Professor Janice MORSE 莫珍寧教授  
University of Alberta (Nursing)                                                                  |
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<tbody>
<tr>
<td>Feb 2000</td>
<td>Professor Arthur ELLIS 艾禮詩教授 University of Wisconsin-Madison (Material Science)</td>
<td>Mar 2004</td>
<td>Professor Zeng-yi QIAN 錢曾怡教授 Shandong University (Chinese Language)</td>
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<td>Mar 2001</td>
<td>Professor Paul VANHOUTTE 尹浩德教授 Institut de Recherches Internationale Server (Medicine)</td>
<td>Feb 2005</td>
<td>Professor Michael C. CORBALLIS 郭敏豪教授 University of Auckland (Psychology)</td>
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<td>Nov 2001</td>
<td>Professor M. F. HAWTHORNE 霍桑教授 University of California, Los Angeles (Chemistry)</td>
<td>Nov 2005</td>
<td>Professor Stanley N. COHEN 高恩教授 Stanford University (Medicine)</td>
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<td>Mar 2002</td>
<td>Professor Richard ESTES 倪思迪教授 University of Pennsylvania (Social Work)</td>
<td>Mar 2006</td>
<td>Professor Peter C. ORDESHOOK 歐德修教授 California Institute of Technology (Political Science)</td>
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<tr>
<td>Nov 2002</td>
<td>Professor Tony F. CHAN 陳繁昌教授 University of California, Los Angeles (Mathematics)</td>
<td>Oct 2006</td>
<td>Professor F. Sherwood ROWLAND 羅蘭德教授 University of California, Irvine (Chemistry)</td>
</tr>
<tr>
<td>Mar 2003</td>
<td>Professor Yuan T. LEE 李遠哲教授 Academia Sinica (Chemistry)</td>
<td>Mar 2007</td>
<td>Professor Long-ping YUAN 袁隆平教授 China National Hybrid Rice R&amp;D Center (Biology)</td>
</tr>
<tr>
<td>Mar 2004</td>
<td>Professor Zhi-an DONG 董治安教授 Shandong University (Chinese Language)</td>
<td>Nov 2007</td>
<td>Professor Ya-ping ZHANG 張亞平教授 Kunming Institute of Zoology, CAS (Zoology)</td>
</tr>
<tr>
<td>Year</td>
<td>Name and Institution (Discipline)</td>
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</table>
| Oct 2008 | Professor Da-he QIN 秦大河教授  
State Key Laboratory of Cryospheric Sciences (Meteorology)                              |
| Oct 2010 | Professor Kay DEAUX 杜爾琦教授  
The City University of New York (Psychology)                                                   |
| Oct 2010 | Professor Sam GLUCKSBERG 郭保山教授  
Princeton University (Psychology)                                                                |
| Oct 2011 | Professor Herman S. CHEUNG 張醒鐘教授  
University of Miami (Medicine)                                                                    |
| Oct 2012 | Professor Yuan-Tsong CHEN 鍾垣崇教授  
Academia Sinica (Medicine)                                                                       |
| Oct 2013 | Professor Shu CHIEN 蕭烱教授  
University of California (Medicine and Engineering)                                               |
| Oct 2014 | Professor David C. GEARY 大衛•格爾瑞教授  
University of Missouri (Psychology)                                                              |
| Oct 2015 | Professor Inez FUNG 馮又嫦教授  
University of California, Berkeley (Atmospheric Sciences)                                        |
| Oct 2016 | Professor Steven CHU 朱棣文教授  
Stanford University (Physics)                                                                     |
| Oct 2017 | Professor Erkko AUTIO 艾高•歐蒂敖教授  
Imperial College London (Business)                                                                 |
Mission of the College

In elaborating the College motto “Make One’s Virtues Shine and Renew the People”, United College strives to serve the people of Hong Kong and China and the world through integrative education, pastoral care as well as moral and spiritual enhancement of the young.