

CALL FOR PAPERS

SPECIAL ISSUE OF *TECHNOLOGY ANALYSIS AND STRATEGIC MANAGEMENT*

on

China and Global ICT standardisation and innovation

Submission deadline: 31st March 2010

Guest Editors:

Professor Robin Williams, Institute for the Study of Science, Technology and Innovation (ISSTI), The University of Edinburgh.

Associate Editors:

Dr Ian Graham, ISSTI/The University of Edinburgh Business School,

Dr Kai Jakobs, Computer Science Department RWTH Aachen University

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Overview

The People's Republic of China has recently become remarkably active in the development of interoperability standards across many areas of Information and Communications Technology (ICT). Such standards are crucial for the creation of new industries and markets for novel ICT products and services. This engagement in standardisation is linked to the Chinese government's strategy to develop indigenous technologies and, in some cases through involvement in international standardization bodies, to put China at the heart of the next generation of global technical infrastructures. In this way China seeks to go beyond its globally competitive productive capabilities to acquire technology innovation capabilities. This strategy throws up important issues for China's technology promotion policy in terms of how to contribute to standardisation processes and of how to exploit public sector research and development.

The entry of China into the shaping of these globally significant technologies will have far reaching consequences for developed economies and global ICT markets, posing challenges for industrial strategy and innovation policies across the developed and developing world. The EU has responded by seeking to align China's indigenous ICT innovation policies with the European Research Area. However the globalisation of innovation signaled by these developments, based upon complex matrices of Intellectual Property, innovative capability and market knowledge from a wide array of industrial and research players across the world, calls into question simplistic established conceptions of 'indigenous' technologies.

These developments raise a number of questions at different levels of analysis. This special edition therefore invites contributions from a range of analytical traditions encompassing innovation and technology studies, economics, policy studies to address the various issues raised by these phenomena. These issues include:

- The changing role of standardization as mode of coordinating innovation in rapidly changing technological fields;

- The respective roles of public Standards Development Organizations and of private consortia and the relationship between these; problems encountered by China (and lessons learnt) in engaging in global standardization processes;
- The character and dynamics of ICT innovation in a context of convergence of technological infrastructures and rapid service innovation;
- Theories of globalization and changes in the global political economy: the changing relationship between national, supra-national and global coordination of innovation;
- The challenges for China (and other governments) in technology policy formation and intervention in complex rapidly changing technological fields. The complex interests surrounding such decision-making.

Review Process

The editor will be happy to provide informal comment on proposals for papers. Please email a title and brief abstract before 15th December 2009 to Guest Editor, Professor Robin Williams (R.Williams@ed.ac.uk).

The Guest Editors will initially review papers before entering the review process with a maximum of two rounds of review to arrive at acceptance or rejection. The deadline for submission of full papers is 31st March 2010. The special issue will be published in 2011.

Papers submitted to the Special Issue should follow the Technology Analysis and Strategic Management guidelines for manuscript submissions at <http://www.tandf.co.uk/journals/journal.asp?issn=0953-7325&linktype=44>
 Papers must be uploaded via TASM's manuscript submission site at <http://mc.manuscriptcentral.com/ctas> The managing editor will then assign them to Guest Editor Robin Williams to begin the review process.

The Guest Editors are seeking reviewers for this issue and volunteers to participate in the review process. Reviewers are invited to contact the guest editor, Robin Williams (R.Williams@ed.ac.uk). We hope that paper authors will be willing to assist with refereeing. The review process will attempt to provide quick feedback to the authors and allows for two rounds of revisions on the manuscripts.

Important Dates

31 March 2010 deadline to submit full papers
 31 June 2010 review reports sent to authors
 30 September 2010 deadline for submitting revised papers for second round of reviewing
 30 November 2010 second round review reports sent to authors
 31 December 2010 deadline for submitting finalised papers for final review
 15 January 2011 final review reports and final decision by guest editors
 11 February 2011 final versions of MS sent to TASM
 19 March 2011 proofs out to guest editors
 22 April 2011 special issue is published

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MS Due	Proofs Out	Ship Date
11-Feb-11	19 -Mar -11	22- Apr-11
Feb-11	19 -Mar -11	22- Apr-11