

# Assuring the Acquisition of Expertise: Apprenticeship in the Modern Economy

26 – 27 May 2011

Location:

Foreign Language Teaching and Research Press

No. 19 Xisanhuan Beilu, Beijing, China

## International Conference Programme

Co - Organisers:

**Asian Academic Society for Vocational Education and Training (AASVET)**  
**Beijing Normal University**

**Chinese Society of Vocational and Technical Education (CSVTE)**  
**European Research Network in Vocational Education and Training (VETNET)**  
**TVET Research Group (I:BB), University of Bremen**

### Programme Committee:

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Prof. Erica Smith, University of Ballarat, Australia (Co-Chair)

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Thursday, 26th May 2011, Morning

08.30 a.m.: Registration at the Reception

Multi Function Hall, 9 <sup>th</sup> Floor, South Building		Plenary
09.30 – 09.40	Jiping Wang	Welcome Ministry of Education Consulting director of VET Division, MoE & President of the Central Institute of Vocational and Technical Education
09.40 – 09.50	Zuoyu Zhou	Welcome Dean of the Faculty of Education, Beijing Normal University
09.50 – 10.10	Weiping Shi	Welcome Chinese Society of Vocational and Technical Education
10.10 – 10.15	Jianfeng Cai	Welcome Director of the Foreign Language Teaching and Research Press, China
10.15 – 11.00	Felix Rauner	INAP Opening Speech: <b>The apprenticeship approach: A way to overcome demarcations between vocational and higher education!</b>
11.00 – 11.30		Coffee Break
11.30 – 12.15	Philipp Gonon	Keynote 1 <b>Apprenticeship as a model for the international architecture of TVET</b>
12.15 – 12.30	Zhiqun Zhao	Introduction to the Workshops
12.30 – 13.30		Lunch

## Thursday, 26<sup>th</sup> May 2011, Afternoon: Paper Sessions

**Multi Function Hall,  
9<sup>th</sup> Floor, South Building**

### Workshop I

13.30 – 17.45

Chair: Robert I. Lerman  
Reporter: Weiping Shi

**Developing Curricula and  
Qualification Systems**

There are many controversial views on the content and qualification requirements of vocational education and the systematisation of vocational curricula. Questions to be considered in this session are: How do vocational curricula address 'subject-specific' and 'work process knowledge'? Which methods are best suited to undertaking expertise and qualification research? The meaning of "practical" knowledge" in current curriculum development research is also an important topic.

Richard Marsh (UK)

Apprenticeship growth and quality in England

Dietmar Frommberger/  
Léna Kriechewsky (Germany)

Curriculum reforms in VET in Europe – A comparative view on France and Germany

Han Xu (China)

A study on the implementation of the learning field curriculum in Germany

Weiping Shi/  
Ying Kuang (China)

Are we ready for the new round of TVET development based on China's National Plan for Medium and Long-term Education Reform and Development (2010-2020)?

15.30 – 15.45

**Coffee Break**

Willi Petersen (Germany)/  
Lihua Xie (China)

The link between the didactic approach of the vocational training system and the curriculum development approach

Zhiqun Zhao (China)

Implementation of work process based curriculum in a technician institute

Chunlin Huang (China)

From "Deep Blue" to "Deep Green" – Case study on the project of TVET for SD in China

Philipp Gonon (Switzerland)/  
Ute Hippach-Schneider/  
Tanja Weigel (Germany)

Globalization and apprenticeships: Does apprenticeship survive in transnational companies?

18.00 – 19.30

**RECEPTION / SOCIAL EVENT**



## Thursday, 26<sup>th</sup> May 2011, Afternoon: Paper Sessions

Conference Room No.4, 2 <sup>nd</sup> Floor, South Building		Workshop II
13.30 - 17.30	Chair: Erica Smith Reporter: Jeroen Onstenk	Learning and development theories and models
<p>A great deal of research in this field is concerned with an understanding of vocational learning as “situated learning” and the concept of “developmental tasks” (Havighurst). Questions to be addressed are: how can the above concepts and theories be applied? What are the implications of ‘situated learning’ theory for project oriented learning? To what extent is the concept of ‘developmental tasks’ used in VET practice? How can the concept of ‘situated learning’ be used to develop professional identity and promote occupational commitment?</p>		
Christof Nägele/ Patrizia Hasler (Switzerland)		Learning at the workplace: Optimal learning environments
Jeroen Onstenk (The Netherlands)		Enhancing situated learning: Apprenticeship in learning departments
Yanying Gu (China)		How to convert individual skill operator to integrated task solver: Teaching research on action-oriented learning for secondary vocational school students studying basics of computer application
15.30 - 16.00		Coffee Break
Tongji Li (China)/ Remy M. J. P. Rikers (The Netherlands)		The role of deliberate practice in Chinese vocational teaching
Selena Chan (New Zealand)		Learning practical workplace-based judgment through using cognitive apprenticeship and vocational identity formation models
Erica Smith/Arlene Walker/ Ros Brennan Kemmis (Australia)		The importance of the psychological contract for effective learning in apprenticeships
18.00 - 19.30		RECEPTION / SOCIAL EVENT

## Thursday, 26<sup>th</sup> May 2011, Afternoon: Paper Sessions

<b>Nr. 2602, 6<sup>th</sup> Floor, North Building</b>		<b>Workshop III</b>
<b>13.30 - 17.30</b>	<b>Chair: Bonnie Watt-Malcolm Reporter: Ludger Deitmer</b>	<b>Multiple Roles of Universities, Schools and their Teaching and Training Staff</b>
<p>The qualification of teachers and trainers is critical for the quality of VET systems. Internationally, an enormous variety of models exists. Questions to be addressed are: How can the competence of trainers be enhanced, especially given the heterogeneity of learners? How does 'duality' (alternating/integrated knowledge and experience) determine methods for imparting 'subject specific' and 'work process knowledge'? How do universities and polytechnics contribute to the qualification of vocational pedagogues and teachers? And finally: has the 'Hangzhou Declaration' on the establishment of Master programmes been implemented in practice?</p>		
Ralph Dreher (Germany)		Eight characteristics of good „Automotive-Teachers“: consequences for the TT-TVET
Peter Härtel / Michaela Marterer (Austria)		New approach for teacher training in Austria
Krista Loogma/ Külliki Tafel-Viia (Estonia)		Networks as agents of innovation: networking patterns of VET & higher professional education teachers
Zhi-gang Zhou, Zhi-yong Yan, Dan-dan Wu (China)		Towards a new kind of VET teacher's professional competence based on new competence structures
<b>15.30 - 16.00</b>		<b>Coffee Break</b>
Andrea Gandini/ Giovanni Masino (Italy)		The "PIL" Project: improving employability through the integration of education, training and work
E. Kosasih Danasmita (Indonesia)		Teachers' skills development model in the evaluation of competency-based student learning outcomes in vocational schools in Indonesia
Ye Cao/Lijun Wang (China)		Building pre-service teachers' capability through cognitive apprenticeship
<b>18.00 - 19.30</b>		<b>RECEPTION / SOCIAL EVENT</b>

## Thursday, 26<sup>th</sup> May 2011, Afternoon: Paper Sessions

Conference Room, 3 <sup>rd</sup> Floor, Annexe		AASVET Meeting: Asian Session
13.30 - 17.30	Chair: Jinsoo Kim	Asian Session
<p>This session which will address special topics related to the Asian region. It is part of the joint Conference of 4th international INAP Conference and 7th AASVET International Conference.</p> <p>Papers in this session are not included in the INAP Conference proceedings, but will be published in separate AASVET proceedings.</p>		
Seung-Il Na/ Jeong-Yoon Cho/ Hyun-Jin Jang/Hee-Jin Sung (Korea)		The development of a national certificate on the basic competencies for Korean workers
Kuei-Chih Chuang (Taiwan)		A new developing curriculum on the transition effects of the vocational training for adult learning program - A case study of the funeral mortician services
Zi-Long Yin, Seung-Kwon Nam, Byung-Woong Lim, Won-Sik Choj (Korea)		Study about learning behavioural styles of global company personnel under e-learning environment. A focus on the case of Hankook Tire Corp
Ramlee Mustapha (Malaysia)		Skills training for hearing impaired students at a Malaysian polytechnic: issues and challenges
15.30 - 16.00		Coffee Break
Jinsoo Kim/ Kul Bahadur Basnet (Korea)		Vocational training role in employment promotion of Nepali people
Won-Sik Choi / Kwang-Sik Ahn/ Yoon-Young Cha (Korea)		Learning behavioral styles of K-12 to adult learners in e-learning environment in Korea - with the development of the measuring instrument
Taecheon Rho/Byung-Wook Lee/Taehoon Kim (Korea)		Construction of the network of career paths after graduation of the Korean Meister High School
18.00 - 19.30		RECEPTION / SOCIAL EVENT

Friday, 27<sup>th</sup> May 2011, Morning

Multi Function Hall,  
9<sup>th</sup> Floor, South Building

Plenary

09.00	Weiping Shi	Introduction into the day
09.15 – 10.00	Zhiqun Zhao	Keynote 3: <b>School-enterprise cooperation in China's vocational education and training</b>
10.00-10.15	Coffee Break	

Papers Sessions

Multi Function Hall,  
9<sup>th</sup> Floor, South Building

Workshop I

10.15 – 12.45	<b>Developing Curricula and Qualification Systems</b>
	Chair: Robert I. Lerman, Reporter: Weiping Shi
Bin Bai (China)	A qualitative research of curriculum development in China further vocational education – A staff's perception
Asko Miettinen/ Kari Viinisalo (Finland)	Entrepreneurship through apprenticeships: the need, practice and interim evaluation. The case of Finland
Seung-Il Na/Young-Mi Seok/ Doo-Jin Jung (Korea)	A model for redesigning levels and types of national technical qualifications based on national competency standards in Korea
Hui-Chen Hung (Taiwan)	Considerations of curriculum integration of general education and nursing technology profession
Damian Oliver/ Tom Karmel (Australia)	Pre-apprentice programs and their impact on apprenticeship completion
12.45 – 13.30	Lunch

## Friday, 27<sup>th</sup> May 2011, Morning

<b>Nr. 2602, 6<sup>th</sup> Floor, North Building</b>		<b>Workshop III</b>	
<b>10.30 – 12.30</b>		<b>Multiple Roles of Universities, Schools and their Teaching and Training Staff</b>	
		<b>Chair: Bonnie Watt-Malcolm, Report: Ludger Deitmer</b>	
Ludger Deitmer/ Joanna Burchert (Germany) Feng Shi, Yubo Wang (China)		From quality management towards school development – conclusions from a Chinese & German teacher training pilot project	
Hong Lu/ De-quan Zhu (China)		Australian vocational education teachers' qualification and standards – Experience & borrowing from TAA train- ing packages	
Yulin Jin (China)		Research on operation mechanism of new apprenticeship in cultivating model in hospitality management of high vocational college	
Ramli Rashidi/ Sulaiman Hassan (Malaysia)/ F. Rauner/L. Deitmer (Germany)		Framework for effective collaboration between public training institute and industries in vocational education and training of apprentices	
<b>Conference Room, 3<sup>rd</sup> Floor, Annexe</b>		<b>Workshop IV</b>	
<b>10.30 – 12.30</b>		<b>Measuring Competence Development</b>	
		<b>Chair: Li Ji, Reporter: Lars Heinemann</b>	
Competence diagnostics, related to performance assessment by means of ex- aminations play an important role in national VET systems. This session looks at theories and models that can form a basis for competence diagnostics and psychometric test instruments. The concept of motivation and commitment as a dimension of vocational education is also an important topic to be examined.			
Lars Heinemann (Germany)		Measuring vocational competences in electronic engineering: Findings of a Large scale competence measurement project in Germany	
Li Ji (China)/ F.Rauner, A. Maurer (Germany)		Competence development of apprentices and TVET students: A Chinese-German comparative study	
Ye Tian (China)		Competence development program (CDP) for Beijing TVET teachers	
Wei-Te Liu/ Fei-Chuan Chen/ Yui-Ming Lai (Taiwan)		Construction of a computerized career cognition compe- tence testing system. Modeling of a career planning cog- nition model for technological university students	
<b>12.45 – 13.30</b>		<b>Lunch</b>	

<b>Conference Room No.4, 2<sup>nd</sup> Floor, South Building</b>	<b>Workshop V</b>
<b>10.15 – 12.45</b>	<b>Open Session</b>
	<b>Chair: Moriki Terada, Reporter: Alan Brown</b>
Ursel Hauschildt (Germany) Helen Brown (South Africa)	Costs, benefits and quality in TVET: Method, results and contexts of implementing a self-evaluation tool for companies in Germany and South Africa
Alan Brown/ Jenny Bimrose (UK)	Developmental tasks, vocational development and career adaptability
Moriki Terada (Japan)	International comparative study on the formation of high school students' vocational views and the challenges of vocational and career education
Minying Xu (China)	The practice and research on the win-win school-enterprise cooperation mode linked by assets
Helmut Zelloth (Italy)	A trend towards apprenticeship in EU neighbouring countries?
<b>12.45 – 13.30</b>	<b>Lunch</b>

## Friday, 27<sup>th</sup> May 2011, Afternoon

<b>Multi Function Hall, 9<sup>th</sup> Floor, South Building</b>	<b>Workshop I</b>
<b>13.30 – 15.30</b>	<b>Developing Curricula and Qualification Systems</b>
	<b>Chair: Robert I. Lerman, Reporter: Weiping Shi</b>
Salim Akoojee (South Africa)	National context of apprenticeship training in South Africa: Possibilities and challenges in a new structural order
Ling Deng/Xingshun Qin/ Qingyao Wei (China)	"Working-learning integrated" curriculum development practice & reflection: Vehicle maintenance as an example
Robert I. Lerman (USA)	Apprenticeships and community colleges in the United States: Complements or substitutes?
Dan J. Brooks (Canada)	Apprentice work process knowledge enhancement in post-recession Ontario
<b>15.30 – 16.00</b>	<b>Coffee Break</b>

**Nr. 2602, 6<sup>th</sup> Floor,  
North Building**

**Workshop III**

**13.30 - 15.30**

**Multiple Roles of Universities, Schools and  
their Teaching and Training Staff.**

**Chair: Bonnie Watt-Malcolm, Reporter: Ludger Deitmer**

Bonnie Watt-Malcolm (Canada)

Reforming VET pre-service teacher education: The gifted amateur, the seasoned professional, and the skilled tradesperson

Volker Bank/  
Thomas Retzmann (Germany)

Training needs analysis in economics teaching. On the suitability of the test of economics literacy (TEL)

Jianrong Zhang/  
Luna Huang (China)

Master education of vocational instructors

Yasuhiko Uchida (Japan)

Industrial arts for career plan in junior high school

**Conference Room,  
3<sup>rd</sup> Floor, Annexe**

**Workshop IV**

**13.30 - 15.30**

**Measuring Competence Development**

**Chair: Li Ji, Reporter: Lars Heinemann**

Carmela Aprea (Switzerland)

Development and testing of a competence-based instrument for assessing financial literacy of adolescents

Martin Kröll (Germany)

Competency development between motivational structures and working relationships

Seung-II Na/Dong-yul  
Jung/Hae-kyung Lim (Korea)

Updating the assessment criteria for national technical qualifications in Korea

Taehoon Kim/Jun Liu (Korea)

A research on job performance competency of general technology teachers in Ordinary High Schools in China

**15.30 - 16.00**

**Coffee Break**

**Multi Function Hall,  
9<sup>th</sup> Floor, South Building**

**Plenary TALK and INAP Network Meeting:  
TVET Research – Current State and Needs**

**16.00 - 17.00**

Chair/Reporter of all workshops

**17.00 - 17.15**

**Conclusions & Outlook**

Information on INAP elections and the next conference

**17.30**

**End**