WEDNESDAY, OCTOBER 19

09:00-10:30hrs  Registration in the lobby of Forum
On site payment available

10:30-12:00hrs  Parallel Session I in rooms C217, C221, C214, C218, C317, C314, C521 in Forum

I.1 Symposium

Session title: Introduction of competence approach in the reform of school-based initial VET-systems: Challenges, Pitfalls, Impacts
Date/time/place: Wednesday October 19, 10:30-12:00hrs; Room C217
Chair(s): Vidmantas Tūtlys

Papers:
- Introduction of competence-based approaches in the reform of school-based initial VET systems: issues for research
  Jonathan Winterton
- Challenges in understanding and measuring competencies in the school-based VET systems
  Samo Pavlin, Vidmantas Tūtlys
- Impact of the competence approach to the reforms of the initial VET system in Italy and Lithuania
  Giuseppe Tacconi, Vidmantas Tūtlys

Discussant: Jonathan Winterton

I.2 Paper session

Session title: Competence theory, management and leadership
Date/time/place: Wednesday October 19, 10:30-12:00hrs; Room C221
Chair(s): Yvette Baggen

Papers:
- Improving Leadership Competencies and Performances with a Microteaching Approach
  Andreas Rupp
- Beyond a new language for competence: a discussion on how to implement the idea of competence
  Giuditta Alessandrini, Claudio Pignalberi, Valerio Massimo Marcone

I.3 Symposium

Session title: Getting a Grip on Boundary Crossing Learning
Date/time/place: Wednesday October 19, 10:30-12:00hrs; Room C214
Chair(s): Carla Oonk

Papers:
- Learning across boundaries during the design and implementation of a hybrid learning configuration
  Petra Cremers
- Stimulating students’ boundary crossing learning in the multi-stakeholder Regional Learning Environment
  Carla Oonk, Judith Gulikers
- Teaching and learning reflexivity in problem-oriented inter- and transdisciplinary research
  Karen Fortuin, Kris van Koppen

Discussant: Ilya Zitter
I.4 Symposium

Session title: Changing the paradigm of Master’s admission in Europe
Date/time/place: Wednesday October 19, 10:30-12:00hrs; Room C218
Chair(s): Kees Kouwenaar
Papers:
- Development and testing of competency-based admission
  Kees Kouwenaar
- Evidence base of master’s admission: facts and perceptions on master’s admission for internal, domestic and international applicants
  Irina Ferencz
- Developing tools to support Master’s admission for a diverse classroom in the Lithuanian Higher Education system
  Inez Meurs
- Case study Vrije Universiteit Amsterdam
  Adrian Verkleij
Discussant: Kees Kouwenaar

I.5 Symposium

Session title: Computer-Based Assessment of Transversal Competences: The Case of Problem Solving Competence
Date/time/place: Wednesday October 19, 10:30-12:00hrs; Room C317
Chair(s): Christoph Niepel
Papers:
- Computer based Assessment [CBA]: An appropriate approach to measure professional problem-solving competence for the occupation of electronics technicians for automation technology [ETAT]?
  Felix Walker, Nico Link, Stephan Abele, Reinhold Nietschka
- Do the constructs complex problem solving, comprehension skill, technological knowledge and general cognitive ability explain task success in a performance-based ICT skills test?
  Lena Engelhardt, Johannes Naumann, Frank Goldhammer, Andreas Frey, Katja Hartig, Holger Horz, Kathrin Kuchta, S. Franziska C. Wenzel
- The role of ICT usage in problem solving achievement: Findings from the PISA 2012 data
  Maša Pavlović, Christoph Niepel, Samuel Greiff
Discussant: Christoph Niepel

I.6 Symposium

Session title: Fostering Argumentation Competence in Higher Education
Date/time/place: Wednesday October 19, 10:30-12:00hrs; Room C314
Chair(s): Omid Noroozi
Papers:
- Effects of Computer-Supported Argumentation Scripts on Students domain specific knowledge gain and attitudinal change
  Omid Noroozi, Hans Tramper
- Enhancing the Quality of Argumentation in National and International Food Law through Argumentation-Based Computer-Supported Collaborative Learning (ABCSCSL)
  Kai Purnhagen, Omid Noroozi
- Examining the Impact of Modern Teaching Methods in Creating Argumentation Competency among Entrepreneurship Students
  Khoshghadam Khaledi, Mohammad Chizari
Discussant: Harm Biemans

I.7 Symposium

Session title: Encouragement of sustainable behaviour in school and work settings
Date/time/place: Wednesday October 19, 10:30-12:00hrs; Room C521
Chair(s): Vincent Blok
Papers:
- To increase employees’ PEB both the management and organisational level should be put in place
  Renate Wesselink, Vincent Blok, Jenno Ringersma
- Encouraging Students Pro Environmental Behaviour
  Piety Runhaar, Klaartje Wagenaar, Renate Wesselink
- Integrating sustainability in education: stimulating active involvement of stakeholders for an integrated vision on sustainability in vocational education
  Anne Remmerswaal, Renate Wesselink, Arjen Wals
Discussant: Renate Wesselink
12:00-12:45hrs  Lunch in Grand Café Forum  
*Registration and on site payment available during lunch in the lobby of Forum*

12:45-14:15hrs  Opening of the conference in room C222 in Forum

Mr. Geert van Rumund, Mayor of Wageningen  
‘Welcome to Wageningen’

Prof. dr. Arthur Mol, Rector Magnificus of Wageningen University  
‘Welcome to Wageningen University’

Prof. dr. Martin Mulder, Conference chair  
‘The theme and programme of Competence2016’

**Keynote address**

Mrs. Yvette van Wagendonk, Korn Ferry Hay Group  
‘Competence development and performance improvement’

14:15-14:30hrs  Break in front of room C222 in Forum

14:30-16:00hrs  Parallel session II in rooms C217, C221, C317, C314, C521 in Forum

### II.1 Symposium

**Session title:** Competence in crisis  
**Date/time/place:** Wednesday October 19, 14:30-16:00hrs; Room C217  
**Chair(s):** Jonathan Winterton  
**Papers:**
- Restructuring and the crisis of competence  
  *Jonathan Winterton*
- Skills mismatches across the European Union  
  *Samo Pavlin, Ivan Svetlik*
- Skilled migration in the European Union  
  *Vidmantas Tutlys, Jonathan Winterton*
- Skills implications of migration and irregular labour in ASEAN  
  *Kenneth Cafferkey, Tony Dundon, Jonathan Winterton*

**Discussant:** Michael Gessler

### II.2 Paper session

**Session title:** Training, Development and Portfolios  
**Date/time/place:** Wednesday October 19, 14:30-16:00hrs; Room C221  
**Chair(s):** Thomas Lans  
**Papers:**
- Investigating Instructional Design Competencies in a Fast-paced Changing Environment  
  *William J. Rothwell, Aileen Zaballero, Tutaleni Asino, Jessica Briskin, Kristopher Newbauer*
- Does training improve skill match?  
  *Francesca Sgobbi*
- The influence of values on competency models in the profession of Training and Development  
  *Saul Carliner*
- Social Competences as Part of the Professional Competence Portfolio and its Implementation in Practical Surroundings by the Example of Medical Assistants  
  *Tanja Tschöpe, Moana Monnier, Agnes Dietzen*
II.5 Paper Session

Session title: Competence assessment and measurement  
Date/time/place: Wednesday October 19, 14:30-16:00hrs; Room C317  
Chair(s): Glen Shinn  
Papers:  
- Competence assessment in early vocational orientation  
  Carolin Kunert  
- The PIAAC Italy survey  
  Fabio Roma, Gabriella Di Francesco  
- Soft skills as most significant predictor of getting job: Evidence from using new measurement tool  
  Jiri Balcar, Lenka Filipova

II.6 Symposium

Session title: Fostering 21st Century Skills in Higher Education  
Date/time/place: Wednesday October 19, 14:30-16:00hrs; Room C314  
Chair(s): Omid Noroozi  
Papers:  
- Becoming Globally Competent through Student Mobility  
  Dine Brinkman, Vitaliy Popov  
- The effects of First-Order And Second-Order Scaffolding on Computer-Supported Collaborative Argumentation: A Systematic Review  
  Anahuac Valero Haro, Omid Noroozi, Harm Biemans  
- Towards a Set of Design Principles for Developing Oral Presentation Competence in Higher Education  
  Stan van Ginkel, Judith Gulikers, Harm Biemans, Martin Mulder  
Discussant: Stan van Ginkel

II.7 Symposium

Session title: Competence, sustainable development and higher education  
Date/time/place: Wednesday October 19, 14:30-16:00hrs; Room C521  
Chair(s): Renate Wesselink  
Papers:  
- Design principles for Living Lab’s aiming at sustainable development: The role of higher education in Living Lab’s  
  Loes Witteveen, Rik Eweg, Toine Smits, Wiepke Voskamp-Harkema  
- Higher Education and Competence for Responsible Research and Innovation (RRI): Towards a Research Agenda  
  Valentina Tassone, Hansje Eppink, Vincent Blok, Renate Wesselink  
- Competencies for interdisciplinary teamwork in agroecology: Norway and India  
  Anna Marie Nicolaysen, Parthiba Basu, Geir Hofgaard Lieblein, Anshuman Das, Tor Arvid Breland, Barbara Smith,

16:00-16:30hrs  
Break in front of room C222 in Forum

16:30-18:00hrs  
Parallel session III in rooms C217, C221, C214, C218, C317, C314, C521 in Forum

III.1 Paper session

Session title: Developments in Competence-based Agricultural Education and Extension  
Date/time/place: Wednesday October 19, 16:30-18:00hrs; Room C217  
Chair(s): Thomas Lans  
Papers:  
- Conceptualizing Bachelor’s Degree Agricultural Education Curricula for 2050  
  Glen Shinn, Gary Briers, David Knauft, Maria Navarro  
- Design of a competency based learning (CBL) curriculum for Agricultural Training Institutes (ATIs) in South Africa: A Community of Learning and Action (COLA) approach  
  Bernd Lutge, Petronella Chaminuka, Juan Ceballos, Charles Andrew Francis, Edvin Ostergaard  
- Agricultural Extension Professionals’ Perceptions of Core Competencies in Nepal  
  Ramjee Ghimire, Murari Suvedi
III.2 Paper session

Session title: Competence, performance, commitment and pay  
Date/time/place: Wednesday October 19, 16:30-18:00hrs; Room C221  
Chair(s): Hildegert Zoethout  
Papers:  
- Competencies, Job knowledge, Personality and Performance  
  Rendel de Jong, Charlotte Koppens de Neve, Paul Boer  
- Supporting Temporary Agency Workers' affective commitments: exploring the role of expected and fulfilled opportunities for competence development  
  Nienke Woldman, Piety Runhaar, Renate Wesselink  
- Soft-skills and labour market outcomes: the case of young French graduates  
  Ines Albandea, Jean-Francois Giret  
- Gaps between actual and preferred career paths among professional employees  
  Michal Biron, Ravit Eshed  

III.3 Paper session

Session title: Learning environments at the boundaries between work and education  
Date/time/place: Wednesday October 19, 16:30-18:00hrs; Room C214  
Chair(s): Loek Nieuwenhuis  
Papers:  
- Education at the boundary of school and work: a typology of learning environments in vocational education  
  Erica Bouw, Ilya Zitter, Elly de Bruijn  
- Investigating perceptions of learning environments and apprenticeship in the Finnish context  
  Heta Rintala, Petri Nokelainen, Laura Pylväs  
- Workplace learning in competence-based TVET  
  Loek Nieuwenhuis  

III.4 Symposium

Session title: Mind the Gap! From competence based measurement to competence based teaching  
Date/time/place: Wednesday October 19, 16:30-18:00hrs; Room C218  
Chair(s): Geoff Hayward  
Papers:  
- Back to work bridging the gap between input and output  
  Peter Sloane  
- Competence Development - From mind the gaps to mind the steps  
  Bernadette Dilger  
- Competence in England and the legacy of NVQs  
  Geoff Hayward  
Discussant: Hubert Ertl  

III.5 Paper session

Session title: Competence assessment and measurement continued  
Date/time/place: Wednesday October 19, 16:30-18:00hrs; Room C317  
Chair(s): Machiel Bouwmans  
Papers:  
- Structure modelling and achievement scales for electronics technicians' knowledge at the end of vocational training  
  Leo van Waveren  
- Self-perceptions of the match between acquired and required competences and their antecedents  
  Jan Nijhuis  

III.6 Symposium

Session title: Fostering Oral Presentation Competence in Higher Education  
Date/time/place: Wednesday October 19, 16:30-18:00hrs; Room C314  
Chair(s): Stan van Ginkel  
Papers:  
- Fostering Oral Presentation Performance: Does the Quality of Feedback Differ When Provided by the Teacher, Peers or Peers Guided by Tutor?  
  Stan van Ginkel, Judith Gulikers, Harm Biemans  
- Practice and improve using the Presentation Trainer  
  Jan Schneider, Dirk Börner, Peter van Rosmalen  
- A Multimodal System For Public Speaking Anxiety: A Positive Computing Perspective  
  Fiona Dermody, Alistair Sutherland  
Discussant: Stan van Ginkel
III.7 Symposium

Session title: Designing higher education learning environments to develop key competencies for sustainability
Date/time/place: Wednesday October 19, 16:30-18:00hrs; Room C521
Chair(s): Petra Cremers
Papers:
- Methods for relating multi-stakeholder learning and science knowledge in transdisciplinary processes
  Roland Scholz, Gerald Steiner
- Designing Learning Environments for Transboundary Competence as a Key Competence in Higher Education for Sustainable Development
  Joop de Kraker
- Shaping a mode 2 concept of university education to tackle real life problems
  Ulrike Gelbmann, Anton Peskoller
- The role of preconceptions of sustainable development for perceived professional relevance and the development of inter- and transdisciplinary competencies among first year students
  Anna Sundermann, Daniel Fischer
Discussant: Karen Fortuin

18:00-19:30hrs Conference Reception in Grand Café Forum

THURSDAY, OCTOBER 20

08:00-09:00hrs Registration in lobby of Forum
On site payment available

09:00-10:30hrs Parallel session IV in rooms C221, C213, C226, C318, C317, C314, C521 in Forum

IV.1 Paper session

Session title: Competence-based education: legislation, realisation and effects
Date/time/place: Thursday October 20, 09:00-10:30hrs; Room C221
Chair(s): Harm Biemans
Papers:
- Federal Legislation and the Potential Impact on Competency-based Education in the U.S.
  Kirby Barrick
- Realization of Competence-based Education and Training: Teachers’, Students’ and Graduates’ Perspectives
  Getachew Habtamu Solomon, Renate Wesselink, Omid Noroozi
- Exploring Connections of Teacher Interpersonal Behaviour, Student Motivation and Competency Level
  Zainun Misbah, Judith Gulikers, Wahyu Widiharso, Martin Mulder

IV.2 Symposium

Session title: Human Resource Management in schools. Exploring its potential for enhancing teachers’ competence, motivation and opportunities to perform
Date/time/place: Thursday October 20, 09:00-10:30hrs; Room C213
Chair(s): Piety Runhaar
Papers:
- Beyond induction; a comprehensive view on novice teachers’ induction in Dutch secondary education
  Piety Runhaar, Judith Gulikers, Renate Wesselink
- Linking principals configuration of a bundle of HR practices for new teachers to teacher outcomes
  Eva Vekeman, Geert Devos
- Teacher assignment in secondary education: a mixed method study
  Melissa Tuytens, Geert Devos
- Explaining teachers' career competence. Exploring the roles of teachers
  Piety Runhaar, Marjan Vermeulen, Evelien Loeffen
Discussant: Ton Bruining
IV.3 Symposium

Session title: Competence development for inter- and transdisciplinary research  
**Date/time/place:** Thursday October 20, 09:00-10:30hrs; Room C226  
**Chair(s):** Carla Oonk  
**Papers:**  
- Inquiry based research in action  
  Marjolein Zweelhorst, Wanda Konijn  
- Learning to design for the unknown: educational designing in an undergraduate transdisciplinary setting  
  Tanja Golja  
- What are universities for? - Integrative Design-Based Inquiry as one possible answer  
  Binbin Pearce, Christian Pohl  
**Discussant:** Joop de Kraker

IV.4 Symposium

Session title: Formative assessment with effect  
**Date/time/place:** Thursday October 20, 09:00-10:30hrs; Room C318  
**Chair(s):** Judith Gulikers  
**Papers:**  
- What are methods and conditions of formative assessment that are effective for learning? A review study  
  Dominique Sluijsmans, D. Joosten-ten Brinke, Cees van der Vleuten  
- A systematic review of prerequisites for implementing formative assessment in classroom practice  
  Kim Schildkamp, Wilma Kippers, Fabienne van der Kleij, Maaike Heitink, Inge Hoogland, Anne Dijkstra, Bernard Veldkamp  
- Teachers’ formative assessment practices in the classroom with effects on students  
  Judith Gulikers, Liesbeth Baartman  
**Discussant:** t.b.a.

IV.5 Paper session

Session title: Professional competence in finance and health  
**Date/time/place:** Thursday October 20, 09:00-10:30hrs; Room C317  
**Chair(s):** James Lindner  
**Papers:**  
- Financial Literacy: A fuzzy construct. A comparison and evaluation of the conceptualisations and measurement models in the financial domain  
  Sabrina Patitz, Marina Haves, Thomas Retzmann  
- A Comparison of Defining Nursing Competence in Europe and the United States  
  Jessica Shearer, Johanna Lasonen, Riitta Meretoja  
- The Influence of Emotional and Social Competencies on Collaboration in Cross-Cultural Healthcare Settings  
  Aileen Zaballero, William J. Rothwell

IV.6 Symposium

Session title: Entrepreneurship Education with Impact: Learning from European Experiences  
**Date/time/place:** Thursday October 20, 09:00-10:30hrs; Room C314  
**Chair(s):** Marge Täks, Marco van Gelderen  
**Papers:**  
- The impact of entrepreneurial competency training  
  Marco van Gelderen  
- The effects of education for and through entrepreneurship: Different approaches, different outcomes  
  Kåre Moberg, Pernille Berg  
- Development and Application of the Opportunity Identification Competence Assessment Test (OICAT) in Higher Education  
  Yvette Baggen, Ana Naia  
- The influence of learning orientation and context on market orientation of small holding farmers  
  Emilio Pindado, Thomas Lans  
**Discussant:** Marge Täks
IV.7 Symposium

Session title: Transition thinking Planet, People, Profit and related competence
Date/time/place: Thursday October 20, 09:00-10:30hrs; Room C521
Chair(s): Frank de Jong
Papers:
- Transitioning toward healthier dietary patterns
  Esther Nederhof
- Competence for transformative business: The role of new business models in the agricultural transition
  PJ Beers, Erwin Bouwmans
- Valorisation of food waste in different stages of the food production value chain
  Koen Dittrich, Geert Sol, Maud Smits, Mandy van Vught
- Responsive and responsible education: eco-semiotic learning competence
  Frank de Jong
Discussant: Niek van den Berg

10:30-11:00hrs Break in front of room C222 in Forum

11:00-12:00hrs Keynote address in room C222 in Forum

Prof. dr. Reinhold Weiss, Federal Institute for Vocational Education and Training (BIBB), Deputy President and Head of the Research, Bonn, Germany
‘Status of competence research in Germany: approaches – results’

12:00-13:00hrs Lunch in Grand Café Forum

Registration and on site payment available during lunch

13:00-14:30hrs Parallel session V in rooms C221, C213, C214, C218, C317, C314, C521 in Forum

V.1 Symposium

Session title: The Scope and Practice of the so-called Occupational Sciences: An updated VET Science or just a work- and competence-based Research Methodology?
Date/time/place: Thursday October 20, 13:00-14:30hrs; Room C221
Organizer(s): Ludger Deitmer, Michael Gessler, Lars Heinemann
Papers:
- The Scope of Research
  Ludger Deitmer
- The Practice of OC-Research
  Michael Gessler
- Discussion: Science or Methodology?
  Ludger Deitmer, Michael Gessler, Lars Heinemann
Discussant: Jonathan Winterton

V.2 Symposium

Session title: Team learning in the context of teacher teams
Date/time/place: Thursday October 20, 13:00-14:30hrs; Room C213
Chair(s): Hildert Zoethout
Papers:
- Team learning in teacher teams: a systematic review
  Eva Kunst, Marianne van Woerkom, Hildert Zoethout, Rob Poell
- Using transactivity as an analytical framework to understand quality of team learning
  Hildert Zoethout, Renate Wesselink, Piety Runhaar, Martin Mulder
- The development of distributed leadership through top-down and bottom-up processes
  Machiel Bouwmans, Piety Runhaar, Renate Wesselink, Martin Mulder
Discussant: Elly de Bruijn, Ton Bruining
V.3 Paper session

Session title: Knowledge, Competence Development and Excellence in Higher Education
Date/time/place: Thursday October 20, 13:00-14:30hrs; Room C226
Chair(s): Stan van Ginkel
Papers:
- A unified model of knowledge bases for subject-matter competence in bachelor degree programmes of technical teachers
  Kees-Jan van Dorp, Fons Dehing
- Whole task instruction as the key to effective competence-oriented learning arrangements
  Iwan Wopereis, Jimmy Frerejean, Saskia Brand-Gruwel
- Competency Development in Higher Education through Intentional Change Theory and Problem Based Learning: An example from a Spanish Law School
  Basak Canboy, Joan Manuel Batista-Foguet
- Professional excellence: defining learning outcomes for honours higher education
  Melissa Oudshoorn-Fuller, Patricia Robbe, Marca C.V. Wolfensberger

V.4 Symposium

Session title: Innovative approaches to modelling and measuring teachers’ competence
Date/time/place: Thursday October 20, 13:00-14:30hrs; Room C318
Chair(s): Judith Gulikers
Papers:
- Swiss Commercial VET Teachers content and pedagogical content knowledge
  Doreen Holtsch, Franz Eberle
- Assessing Subject-Specific Competencies in Teacher Education in Mathematics and Economics
  Christiane Kuhn, Olga Zlatkin-Troitschanskaja, Hannes Saas, Sebastian Brückner
- Important decisions demand cognitive effort: Teachers flexible choice of information processing after changing the accountability of decision situations
  Sabine Krolak-Schwerdt, Thomas Hörstermann, Sabine Glock, Ines Böhmer, Cornelia Gräsel
- Does Comparative Judgement result in valid scores/rank orders? Evidence from CJ research on argumentative writing and mathematical problem solving
  Marije Lesterhuis, Kristof Vermeiren, Sven de Maeyer, Liesje Coertjens, Maarten Goossens, San Verhavert
Discussant: Agnes Dietzen

V.5 Symposium

Session title: Authenticity and competence assessment
Date/time/place: Thursday October 20, 13:00-14:30hrs; Room C317
Chair(s): Frank Achtenhagen, Susanne Weber
Papers:
- Authenticity and competence assessment
  Frank Achtenhagen
- Regarding the Validity of Competence Based Assessments – Conceptualizations and Examples of Application
  Viola Klotz, Esther Winther, Julia Sangmeister
- Model-based authentic assessment of trainees’ intrapreneurship competence
  Susanne Weber, Sandra Bley, Michaela Wiethe-Körprich, Christine Kreuzer
- Authenticity and Efficiency in Assessing Domain-Specific Problem-Solving Competence—Conflicting Goals in Large Scale Assessments?
  Andreas Rausch, Kristina Kögl
Discussant: Susanne Weber

V.6 Paper session

Session title: Emotional, social, critical thinking, complex problem solving and creativity competence
Date/time/place: Thursday October 20, 13:00-14:30hrs; Room C314
Chair(s): Michiel Hupkes
Papers:
- Reconstructing actors perspectives as additional data source within current diagnostic procedures of social competencies in VET
  Burkhard Vollmers, Werner Kuhlmeier
- Development of vocational expertise in Finnish apprenticeship training: The actors’ point of view
  Laura Pylväs, Petri Nokelainen
- Critical Thinking Competence: If We Build it Will they Learn
  James Lindner, Amy Harder, Nicole Stedman, Robert Strong, Grady Roberts, Kim Dooley, Christopher Stipling, Lisa Lundy
- Unleashing the creative potential of VET students
  Antje Barabasch
## V.7 Symposium

### Session title: Sustainability at a micro level
**Date/time/place:** Thursday October 20, 13:00-14:30hrs; Room C521
**Chair(s):** Renate Wesselink
**Papers:**
- Leadership and The Creation of CSR
  - André Nijhof
- Developing Corporate Social Responsibility Competence: Considering the Roles of Learning Goal Orientation and Psychological Learning Climate
  - Eghe Osagie, Renate Wesselink, Piety Runhaar, Martin Mulder
- The role of moral decision making in recognizing opportunities for sustainable entrepreneurship
  - Lisa Ploum, Vincent Blok, Thomas Lans, Onno Omta
**Discussant:** Marco Rieckmann?

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<tr>
<td>14:30-15:00hrs</td>
<td><strong>Break</strong> in front of room C222 in Forum</td>
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| 15:00-16:00hrs| Transit to Aula for Public farewell address Prof. Dr. Martin Mulder
  *By bus or on your own – free transit by bus is arranged* |
| 16:00-17:00hrs| Public farewell address Prof. Dr. Martin Mulder at Aula Wageningen University
  *Prof. Dr. Martin Mulder*
  *‘Education and Competence Studies – a Review and Perspective for the Future’*
| 17:00-18:30hrs| Public Reception at Hotel De Wereld (next to Aula)         |
| 18:30-19:30hrs| Transit to Hotel De Wageningsche Berg
  *By bus or on your own – free transit by bus is arranged* |
| 20:00-22:30hrs| Conference Dinner at Hotel De Wageningsche Berg
  *Additional fee applies* |
| 23:00-23:30hrs| Transit to Conference hotels Hof van Wageningen
  *By bus or on your own – free transit by bus is arranged* |

## FRIDAY, OCTOBER 21

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| 08:00-09:00hrs| **Registration** in lobby of Orion
  *On site payment available* |
| 09:00-10:30hrs| **Parallel session VI** in rooms C3034, C3015, C4014, C3030, C4016, C4030 in Orion |

### VI.1 Paper session

**Session title:** Linking Competence-based vocational and higher education
**Date/time/place:** Friday October 21, 09:00-10:30hrs; Room C3034
**Chair(s):** Harm Biemans
**Papers:**
- Compatible competence orientation of higher and vocational education? Conceptual considerations and insights for education development
  - Volker Rein
- Promoting Students’ Transitions to Higher Vocational Education
  - Harm Biemans, Hans Mariën, Erik Fleur, Hilde Tobi, Loek Nieuwenhuis, Piety Runhaar
### VI.2 Symposium

**Session title:** Competence in crossing sociocultural boundaries  
**Date/time/place:** Friday October 21, 09:00-10:30hrs; Room C3015  
**Chair(s):** Frank de Jong

**Papers:**
- Boundary practices of educators and researchers collaborating on professional issues  
  *Niek van den Berg*
- Cross-cultural competence as a basis for intercultural communication in the classroom  
  *Toon van der Ven*
- Competence development of internationally mobile students  
  *Hans Corten, Frank de Jong, Rolf van der Velden*
- Developing research behavior competence by crossing school and business borders  
  *Frank de Jong*

**Discussant:** Renate Wesselink

### VI.3 Paper session

**Session title:** Competence theory and implementation  
**Date/time/place:** Friday October 21, 09:00-10:30hrs; Room C4014  
**Chair(s):** Kirby Barrick

**Papers:**
- Searching for a theoretical framework: the role of the experienced meaningfulness and personal growth needs in competence development  
  *Rainer Hensel*
- Effects of a Digital Guided Peer Feedback on Students argumentation competence learning and satisfaction  
  *Omid Noroozi, Javad Hatami*
- Video for Data Collection; Exploring the development of a visual research competence  
  *Angela Pachuau, Loes Witteveen*

### VI.5 Paper session

**Session title:** Competence frameworks for professional development in extension  
**Date/time/place:** Friday October 21, 09:00-10:30hrs; Room C3030  
**Chair(s):** Hansje Eppink

**Papers:**
- Organizing Human Capacity Development in Extension using a Priority Competency Framework  
  *Amy Harder, James Lindner, Alan Hodges*
- Developing and Validating a Competence Profile for Development Agents: A Case Study  
  *Chalachew Tarekene Aniteneh, Renate Wesselink, Harm Biemans, Martin Mulder*
- Perceptions of Core Competencies of Agricultural Extension Workers in Cambodia  
  *Murari Suvedi, Ty Channa, Ramjee Ghimire*

### VI.6 Symposium

**Session title:** Multiple methods of developing intercultural competence  
**Date/time/place:** Friday October 21, 09:00-10:30hrs; Room C4016  
**Chair(s):** Dine Brinkman

**Papers:**
- Development of intercultural competencies during international internships using a rubric  
  *Judith Gulikers, Piety Runhaar, Dine Brinkman*
- English at Work: an international virtual collaboration project  
  *Joelle Hietbrink, Julia Huisman, Ivan Berazhny, Liisa Wallenius*
- The effect of a blended learning tool on intercultural competence development  
  *Pauline Vromans*

**Discussant:** Vitaliy Popov
VI.7 Symposium

Session title: Sustainability Competence: meanings, possibilities and constraints
Date/time/place: Friday October 21, 09:00-10:30hrs; Room C4030
Chair(s): Arjen Wals

Papers:
- Are competences appropriate for educators of sustainability
  Paul Vare
- Critical emotional awareness as a key competence in education for a sustainable future
  Maria Ojala
- Developing Anticipatory Competence in Higher Education for Sustainable Development
  Senan Gardiner, Marco Rieckmann
- Environmental Literacy: Combining Sustainability Competences in Knowledge, Attitudes and Behaviour
  Franz Bogner, Florian Kaiser

Discussant: Arjen Wals

10:30-11:00hrs  Break at restaurant east-side in Orion
11:00-12:00hrs  Keynote address in room C1005/1040 in Orion
                João Santos, Directorate General for Employment, Social Affairs and Inclusion Acting Head of Unit C5, Vocational training and adult education
                ‘The New Skills Agenda and the development of key competences’
12:00-13:15hrs  Network lunch at restaurant east-side in Orion
13:15-14:45hrs  Conference conclusions session in room C1005/1040 in Orion
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