



INTERUNIVERSITY CENTRE  
FOR EDUCATIONAL RESEARCH

**Annual report 2011**

COLOFON

Department of Research and Theory in Education  
Faculty of Psychology and Education  
VU University Amsterdam  
De Boelelaan 1105  
1081 HV Amsterdam  
[www.ico-education.nl](http://www.ico-education.nl)

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## 1. Introduction

This report gives a summary of the activities of ICO, the Interuniversity Centre of Educational Sciences<sup>1</sup>, in 2011.

ICO is an interuniversity research school for graduate students and (post doctoral) researchers in the domain of the Educational Sciences. The research school is a cooperation of members of research centres of eleven universities in The Netherlands and two in Flanders. The general mission is to organize postgraduate training in a strong research-based environment. PhD candidates learn to advance scientific theories for understanding processes and systems of learning and instruction.

ICO's training and supervision programme consist of a training programme of 600 hours, and a supervision programme of 600 hours. The research programme is organized around six 'thematic groups'. These groups were established around themes that reflect actual and promising developments in education and training and reflect major topics in Dutch and Flemish educational research. The thematic groups are responsible for the organization of ICO's thematic courses and also contribute to the ICO biennial schools.

ICO is formally recognized as a research school by the Royal Netherlands Academy of Arts and Sciences (KNAW). In 2011, ICO applied for reaccreditation over the period 2012-2018.

In 2011, the former 'network partners' of ICO, the University of Groningen, the Erasmus University Rotterdam, Ghent University and the University of Antwerp, became full participants in ICO. This has led to the continuation of the growth in members.

This year 18 PhD projects were successfully completed with a thesis, and 28 new projects were started.

Starting 2011, ICO has changed its Educational Programme: the former ICO Toogdag is now a two-day biennial event, with a new name: the ICO National Fall School. The National Fall School alternates yearly with the ICO International Fall School. The National Fall School 2011 was organized at Eindhoven University of Technology. For the first time the Best Paper Presentation was awarded, to Marjolijn Peltenburg (Utrecht University).

In short, also in 2011 ICO continued to offer advanced workshops, provide networking opportunities, and safeguard the quality of supervision.

Prof.dr. Jos Beishuizen  
Scientific Director

Drs. C. Vonk  
Executive Secretary

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<sup>1</sup> In Dutch: Interuniversitair Centrum voor Onderwijswetenschappen

## 2. Organization

In 2011 research units of thirteen universities contributed to ICO. In 2011, the participating research units of these universities were<sup>2</sup>:

University	Department
Eindhoven University of Technology	• Eindhoven School of Education (ESoE)
Erasmus University Rotterdam	• Faculteit Sociale Wetenschappen: Instituut voor Psychologie
Ghent University	• Faculteit Psychologie en Pedagogische Wetenschappen
Leiden University	• Leiden University Graduate School of Teaching (ICLON)
Maastricht University	• Faculty of Health, Medicine and Life sciences • School of Business and Economics • Faculty of Psychology and Neuroscience
Open University of the Netherlands	• Centre for Learning Sciences and Technologies (CELSTEC) • Ruud de Moor Center (RdMC) • School of Psychology • Netherlands Laboratory for Lifelong Learning (NELLL)
University of Amsterdam	• Faculty of Social and Behavioural Sciences (FMG) / SCO-Kohnstamm Institute • Graduate School of Teaching and Learning (ILO)
University of Antwerp	• Instituut voor Onderwijs- en Informatiewetenschappen
University of Groningen	• Faculty of Behavioural and Social Sciences • Groningen Institute for Educational Research (GION)
University of Twente	• Faculty of Behavioural Sciences (GW)
Utrecht University	• Centrum voor Onderwijs en Leren Universiteit Utrecht (COLUU)
VU University Amsterdam	• Centre for Educational Training, Assessment and Research (CETAR)
Wageningen University	• Education and Competence Studies

The ICO office includes the scientific and educational management of ICO. The Scientific Director and Educational Director are primary responsible for the daily management of ICO. They are assisted by the Executive Secretary at ICOs office.

### Scientific management

Director	Prof. Dr. J.J.G. van Merriënboer Maastricht University P.O. Box 616 6200 MD Maastricht, the Netherlands
Executive secretary	Drs. I.G.J.H. Wopereis Open University of the Netherlands P.O. Box 2960 6401 DL Heerlen e-mail: Iwan.Wopereis@ou.nl

<sup>2</sup> As stated in the 'Communal Regulation' of ICO (Gemeenschappelijke Regeling).

## Educational management

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Director	Prof. Dr. J.J. Beishuizen VU University Amsterdam De Boelelaan 1105 1081 HV Amsterdam
Executive Secretary	Drs. C. Vonk VU University Amsterdam De Boelelaan 1105 1081 HV Amsterdam e-mail: c.vonk@vu.nl

## Management team

**31-12-2011**

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Prof. Dr. P.J. den Brok (Perry)	Eindhoven University of Technology
Prof. Dr. F. Paas (Fred)	Erasmus University Rotterdam
Dr. H. van Keer (Hilde)	Ghent University
Prof. Dr. J.H. van Driel (Jan)	Leiden University
Dr. D.H.J.M. Dolmans (Diana)	Maastricht University
Prof. Dr. J.J.G. van Merriënboer (Jeroen)	Open University of the Netherlands
Prof. Dr. S. Karsten (Sjoerd)	University of Amsterdam
Prof. Dr. P. van Petegem (Peter)	University of Antwerp
Prof. Dr. M.P.C. van der Werf (Greetje)	University of Groningen
Dr. A.W. Lazonder (Ard)	University of Twente
Prof. Dr. J.D.H.M. Vermunt (Jan)	Utrecht University
Prof. Dr. J.J. Beishuizen (Jos)	VU University of Amsterdam
Dr. H.J.A. Biemans (Harm)	Wageningen University
N.A.H. Belo (Nelleke) MSc	ICO Educational Committee

For the daily management, the directors of ICO are supported by a management team that consists of one representative from each participating university. The management team on average meets once every two months. In the management team, the long term plans, the educational program, the annual report, and the financial planning are prepared. In 2011 there were five meetings of the Management Team.

## Scientific and Examinations committee

**31-12-2011**

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Prof. Dr. J.J.G. van Merriënboer	Open University of the Netherlands
Prof. Dr. J.J. Beishuizen	VU University Amsterdam
Dr. H. van Keer	Ghent University

The scientific and examinations committee is responsible for the evaluation of PhD research proposals, monitoring of the progress of the projects, the admittance of ICO members, exemption requests, and the Shorter Educational Activity(SEA)- applications. The Scientific and Examinations committee-meetings found place on the same day as the Management Team meetings.

In 2011, 40 project proposals were discussed by the committee, including project proposals of the PhD projects of the new ICO universities. Some of the discussed projects had already started in earlier years but had not been admitted to the Scientific committee before. All admitted project proposals have been evaluated positively, after three proposals were adjusted after assessment by the committee, and one project proposal had to be adjusted twice before approval.

In order to get insight into the progress of the individual PhD students, all ICO PhD students have to fill out a short questionnaire (“ICO PhD Monitor”) every year. The completed questionnaires are being discussed in ICO’s scientific committee. Results serve to signal ways in which ICO can help prevent delay in thesis research projects. After the ICO Monitor 2011 the committee has been in contact with six PhD Students to guide them through the difficulties they have experienced in their progress.

### Educational committee

31-12-2011

Member 1	Member 2	
Anneke Timmermans	Anouk Bergstra	University of Groningen
Maren Thomsen	Lisette Hornstra	University of Amsterdam
Kim Dirx	Pauline Reijners	Open University of the Netherlands
Tjark Huizinga	Alieke van Dijk	University of Twente
Anne Khaled	vacancy	Wageningen University
Rachelle Kamp	Ellen Kok	Maastricht University
Monika Louws	Romi de Jong	Leiden University
Silvester Draaijer	vacancy	VU University Amsterdam
Larika Bronkhorst	Luce Claessens	Utrecht University
Niek van den Bogert	Nele Coninx	Eindhoven University of Technology
Martine Baars	Nicole Goossens	Erasmus University Rotterdam
vacancy	vacancy	University of Antwerp
vacancy	Vacancy	Ghent University

The PhD students of ICO are represented in an educational committee. Each university in ICO is represented by two PhD students. This committee discusses matters related to the training and education that is offered by ICO. In 2011 there were 5 meetings of the Educational Committee.

### Counsellor

Prof. Dr. Nico Verloop,	Leiden University e-mail: verloop@iclon.leidenuniv.nl
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ICO PhD students who encounter difficulties during their research project or with an ICO course can call the ICO Counsellor for advice. Also ICO post doc members and ICO staff members can contact the ICO counsellor for advice on ICO related matters. In 2011 none of the ICO members had to contact the Counsellor.

## Advisory Board of ICO

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Prof. Dr. J.J.H. van den Akker (Jan) - Chair  
Prof. Dr. B.H.A.M. van Hout-Wolters (Bernadette)  
Prof. Dr. J. Lowyck (Joost)  
Prof. Dr. M.J.M. Vermeulen (Marc)  
vacancy

The ICO Advisory board is responsible for developing long term plans that include research goals, quality management for research, and quality management for PhD students' educational program. In 2011 the Advisory Board met twice.

## Thematic groups

## Coordinators

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1 Innovative Learning Arrangements	Dr. Liesbeth Kester Dr. A. Lazonder Drs. Chris Phielix
2 Teaching and Teacher Education	Prof. Dr. Jan van Tartwijk Dr. Wilfried Admiraal Drs. Christel Verberg
3 Domain Specific Instruction	Dr. Diana Dolmans Prof. Dr. Carla van Boxtel Drs. Monique Bijker
4 Educational Design and Curriculum development	Dr. Saskia Brand-Gruwel Dr. Susan McKenney Dr. Frans Prins
5 Schools and the Societal Context of Education	Dr. Adrie Visscher Prof. Dr. Sjoerd Karsten Anneke Timmermans MSc
6 Assessment, Evaluation and Examination	Prof. Dr. Cees Glas Dr. Judith Gulikers

Research in ICO is organized into six themes. Each theme group is chaired by one or several theme coordinators, who are the main managing persons for that theme.

## ICO Members

On December 31, 2011, ICO counted 188 staff members, 34 post doc members, and 134 PhD students (see Appendix 1).

## 2. Educational program

### Structure and organization

A distinction is made between two classes of research competences: thematically or domain-oriented, and methodological. The master classes are complemented by an introduction course, the ICO National Fall School (research retreat), and a biennial "International School".

The ICO Educational program includes both compulsory and elective activities. Compulsory activities are the Introduction course (200 hours); two thematic master classes (100 hours each); one methodological master class (100 hours), and one International Summer School/Winter School (100 hours); in total 600 hours. The thematic master classes are initiated by the thematic groups in a two-year scheme, taking into account the need of students.

### ICO Courses 2011

Theme	Thematic Courses & Organizers	Period
1	Using eye tracking and protocol analysis for research on learning and instruction H. Jarodzka, B. de Koning, L. van Meeuwen and J. Janssen	February 2 and 3, March 10, 11 and 31, 2011
4	Conducting Educational Design Research S. McKenney and S. Brand-Gruwel	March 22, April 5, 12, 19, 27, 28, 2011
6	Assessment for future learning and research: Trends and perspectives D. Sluijsmans and C. van der Vleuten	January 12, 25, 26, February 9, 2011

Theme	General Courses & Organizers	Period & Organizers
7.2	Introduction Course II J. van Merriënboer and E. Boshuizen	March 4, 23, 24, May 12, 13, 2011
7.1	Introduction Course I J. Beishuizen and S. Karsten	September, 16, October 13, 14, December 8, 9, 2011
8	Multilevel Analysis with SPSS H. van den Bergh and S. De Maeyer	November 16, 17 and 18, 2011
9	Research Methodology Qualitative W. Admiraal, a.o.	February 14, 15, 16, March 14, 15, 2011
T	ICO National School (ICO Toogdagen)	November 3 & 4, 2011 TU Eindhoven



## Quality assurance

ICO is responsible for the quality assurance and the on-going evaluation and monitoring of the educational program. All master classes in 2011 were evaluated by the PhD candidates, who filled out a questionnaire (5 point Likert Scale) at the end of the master classes . Based on the collected data for each master class an evaluation report was prepared. The teachers of a course are required to respond to the evaluation report, and give their opinion on the course about issues that need improvement. The report and teachers comments were discussed during the ICO Education Committee meetings and were presented to the ICO Management. The reports and all comments on the reports are send to the coordinators to improve future courses.

## Scores course evaluations 2011

course year	course	Number of participants	1. course expectations	2. time for preparation was sufficient	3. literature was easy to find	4. Content of the course is relevant for my research	5. The course was appropriately setup	6. The set up was aligned with my way of learning	7. there was consistency in the objectives, content and set up	8. there was balance between panel individual and group forms	9. the size of the group was appropriate	10. the course was well time scheduled	11. the facilities were good	12. the course will have significant effect on my research	AVERAGE Score
2010-2011	Introductory course (2)	11	4,30	4,70	4,60	4,10	4,40	3,90	4,30	4,20	4,80	4,80	4,60	4,50	4,43
2011-2012	Introductory course (1)	20	4,06	4,22	3,83	3,83	3,56	3,28	3,56	4,03	4,61	3,89	4,00	3,83	3,89
2011-2012	Methodological course 08 Multilevel Analysis with SPSS	23	4,30	4,26	4,50	4,60	3,95	3,55	4,00	4,10	3,50	4,00	4,05	4,45	4,11
2010-2011	Methodological course 09 Research Methodology Qualitative	11	4,00	4,63	4,88	4,25	4,25	3,75	4,13	4,13	4,50	4,13	4,13	4,50	4,27
2010-2011	Thematical course 01 Using eye tracking	15	4,17	4,17	4,75	4,17	4,33	4,08	3,92	4,25	4,33	4,42	4,42	4,17	4,27
2010-2011	Thematical course 04 Conducting Educational Design Research	9	3,38	4,38	4,63	3,88	3,26	3,25	3,63	3,13	4,63	3,88	4,13	3,88	3,84
2010-2011	Thematical course 06 Assessment ...	8	3,71	4,00	4,71	3,43	4,43	4,29	4,43	3,86	4,86	4,14	4,29	4,29	4,20

### 3. PhD graduations in 2011

1. Slof, B. (28-01-2011). Representational scripting for carrying out complex learning tasks. Utrecht: Utrecht University.
2. Torenbeek, M. (24-02-2011). Hop, skip and jump? The fit between secondary school and university. Groningen: University of Groningen.\*
3. Fastré, G. (11-03-2011). *Improving sustainable assessment skills in vocational education*. Heerlen: Open University of the Netherlands.
4. Min-Leliveld, M.J. (18-05-2011). Supporting medical teachers' learning: Characteristics of effective instructional development. Leiden: Leiden University.
5. Van Blankenstein, F.M. (18-05-2011). Elaboration during problem-based small group discussion: A new approach to study collaborative learning. Maastricht: Maastricht University.
6. Dobber, M. (21-06-2011). *Collaboration in groups during teacher education*. Leiden: Leiden University.
7. Jossberger, H. (24-06-2011). Towards self-regulated learning in vocational education: Difficulties and opportunities. Heerlen: Open University of the Netherlands.
8. Schaap, H. (24-06-2011). Students' personal professional theories in vocational education: Developing a knowledge base. Utrecht: Utrecht University.
9. Kolovou, A. (04-07-2011). *Mathematical problem solving in primary school*. Utrecht: Utrecht University.
10. Korpershoek, H. (17-02-2011). *Search for science talent in the Netherlands*. Groningen: University of Groningen.\*
11. Eggens, L. (03-03-2011). The student x-factor: Social and psychological determinants of students' attainment in higher education. Groningen: University of Groningen.\*
12. A.J. Beusaert (19-10-2011). The use of personal developments plans in the workplace. Effects, purposes and supporting conditions. Maastricht: Maastricht University.
13. Favier, T.T. (31-10-2011). Geographic information systems in inquiry-based secondary geography education: Theory and practice. Amsterdam: VU University Amsterdam.
14. Brouwer, P. (15-11-2011). *Collaboration in teacher teams*. Utrecht: Utrecht University.
15. Molenaar, I. (24-11-2011). It's all about metacognitive activities; Computerized scaffolding of self-regulated learning. Amsterdam: University of Amsterdam.
16. Cornelissen, L.J.F. (29-11-2011). *Knowledge processes in school-university research networks*. Eindhoven: Eindhoven University of Technology.
17. Elffers, L. (14-12-2011). The transition to post-secondary vocational education: Students' entrance, experiences, and attainment. Amsterdam: University of Amsterdam.
18. Van Stiphout, I.M. (14-12-2011). *The development of algebraic proficiency*. Eindhoven: Eindhoven University of Technology.

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\* Associated member, University of Groningen

## 4. ICO Members

### ICO Members, 31-12-2011

	2006		2007		2008		2009		2010		2011	
	n	fte	n	fte	n	fte	n	fte	n	fte	n	fte
<b>Staff</b>	98	35.8	113	40.7	122	44.3	131	46.9	172	65.5	188	71.5
<b>Post docs</b>	16	10.2	8	5.9	13	7.8	23	11.5	27	13.5	34	16.7
<b>PhD</b>	80		83		86		95		128		134	
<b>Total</b>	<b>194</b>		<b>204</b>		<b>221</b>		<b>249</b>		<b>327</b>		<b>356</b>	

### PhD Students - Graduation rates

Year	Enrollment			Success rates								Total			Education		
	Male	Female	Total	Graduated after (≤) 4 years		Graduated after (≤) 5 years		Graduated after (≤) 6 years		Graduated after (≤) 7 years		Median	Range	Graduated	Not finished yet	discontinued	educational programme completed
2002	5 (35,7%)	9 (64,3%)	14	2	14,29%	3	21,43%	5	35,71%	1	7,14%	5,25	3,33-7,00	11	0	3	*
2003	4 (23,5%)	13 (76,5%)	17	4	23,53%	7	41,18%	5	29,41%	0	0,00%	4,68	3,20-5,18	16	0	1	*
2004	3 (18,75%)	13 (81,25%)	16	4	25,00%	6	37,50%	1	6,25%	0	0,00%	4,21	2,58-5,25	11	1	4	*
2005	3 (18,75%)	13 (81,25%)	16	0	0,00%	12	75,00%	1	6,25%	3	18,75%	4,57	4,08-7,00	16	0	0	*
2006	10 (47,6%)	11 (52,40%)	21	2	9,52%	11	52,38%	3	14,29%	0	0,00%	4,52	2,50-5,83	16	2	3	13
2007	21 (77,8%)	6 (22,2%)	27	1	3,70%	10	37,04%	1	3,70%	0	0,00%	4,67	3,83-5,67	12	13	2	22
2008	8 (30,7%)	18 (69,3%)	26	1	3,85%	2	21,43%	0	0,00%	0	0,00%	4,17	3,17-4,67	3	23	0	10
2009	11 (31,4%)	24 (68,6%)	35									*	*	*	35	0	
2010	7 (38,9%)	11 (61,1%)	18									*	*	*	18	0	
2011	10 (35,7%)	18 (64,3%)	28									*	*	*	27	1	
Total			218	14		51		16		4		4,58	2,50-7,00	85	119	14	

'Graduated' is defined here as the moment a PhD student defends his or her thesis; this makes the table highly conservative

\* Inapplicable or no data available

### Male/female ratio ICO Members 2011

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<b>Category</b>	<b>Total</b>	<b>Men</b>	<b>Women</b>
Staff	188	124 (66 %)	64 (34%)
Post Docs	34	12 (35,3%)	22 (64,7%)
PhD Students	134	44 (32,8%)	90 (67,2%)

## 5. Finances

### Financial Track Record

	2006	2007	2008	2009	2010	2011
Research Grants	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Contract Research	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
<b>Direct Funding*</b>						
<i>Secretary Contribution</i>	€ 53.159	€ 56.313	€ 55.390	€ 55.390	€ 55.390	€ 55.390
<i>Contribution Universities</i>	€ 17.929	€ 31.179	€ 28.137	€ 29.074	€ 67.898	€ 51.654
Other (external)	€ 22.900	€ 19.839	€ 25.500	€ 34.700	€ 10.000	€ 8.000
<b>Total Funding</b>	<b>€ 93.988</b>	<b>€ 107.331</b>	<b>€ 109.027</b>	<b>€ 119.164</b>	<b>€ 133.288</b>	<b>€ 115.044</b>

The 'Direct funding' consists of (1) the Secretary Contribution and (2) the Contribution of the participating Universities:

- (1) The secretary university is accountable for ICO's Scientific Management, meaning that both the scientific director and the executive secretary are paid by this organization. The University of Twente held the secretariat of ICO in 2006 and 2007. The Open University of the Netherlands held the secretariat in 2008 and 2009 and did continue to do so until the end of the current accreditation period (end of 2011).
- (2) The final costs for ICO Education (i.e., total costs for both educational management and training minus the revenues for training activities) are distributed among the participating universities on the basis of subsequent calculation of costs. The contribution is based on the number of PhD students per university at the moment of the re-accreditation of ICO in 2006.

### Contribution participating universities 2011

University	VU	WU	OUNL	RUG*	UL	EUR*	UM
<b>PhD members</b>	3	3	12	6	12	9	6
<b>Contribution</b>	€ 1.434,84	€ 1.434,84	€ 5.739,35	€ 2.869,68	€ 5.739,35	€ 4.304,52	€ 2.869,68
University	UT	UU	UvA	TUE	UvA (B)*	UG (B)*	
<b>PhD members</b>	14	16	12	14	1	0	
<b>Contribution</b>	€ 6.695,91	€ 7.652,47	€ 5.739,35	€ 6.695,91	€ 478,28	€ 0,00	
<b>Total</b>	<b>€ 51.654,18</b>						

\*The universities that were formerly associated members contributed for the number of students which attended an ICO Course in 2011

## Final Account ICO 2011

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### Expenses

#### **Educational Office**

Educational Director	€ 13.500,00	
Educational Secretary	€ 17.000,00	
Meetings Educational Committee	€ 796,25	
Office costs	€ 417,63	
<i>Subtotal</i>		€ 31.713,88

#### **General Office**

€ 55.390,00 € 55.390,00

#### **Educational Activities**

(11-01) Eye tracking	€ 3.238,14	
(11-04) Educational Design Research	€ 1.784,08	
(11-06) Assessment Evaluation and Examination	€ 3.672,40	
(11-071) 1st Introductory course	€ 3.861,60	
(11-072) 2nd Introductory course	€ 2.774,74	
(11-08) Multilevel Analysis with SPSS	€ 2.400,50	
(11-09) Qualitative Research	€ 5.119,43	
ICO Toogdagen 2011 Eindhoven	€ 2.336,41	
<i>Subtotal</i>		€ 25.187,30

#### **Other**

Theme Group activities (theme 2)	€ 250,00	
Preparations ICO Fall School 2012	€ 2.503,00	
<i>Subtotal</i>		€ 2.753,00

#### **Total**

**€ 115.044,18**

### Income

Secretary contribution Open University	€ 55.390,00
8 x Fee external participants ICO Courses	€ 8.000,00
Contribution participating universities	€ 51.654,18
<b>Total</b>	<b>€ 115.044,18</b>

## Appendix 1: List of ICO Members

### Staff members 2011

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#### *Eindhoven University of Technology*

Dr. L.K.J. Baartman  
Prof. Dr. D. Beijaard  
Prof. Dr. T.C.M. Bergen  
Dr. C.N. Brouwer  
Prof. Dr. P.J. den Brok  
Prof. Dr. K.P.E. Gravemeijer  
Prof. Dr. W.M.G. Jochems  
Dr. R. Taconis  
Dr. M.W. van Eijck

#### *Erasmus University Rotterdam*

Dr. B.B. De Koning  
Dr. S.M.M. Loyens  
Dr. S. Mamede  
Prof. Dr. F. Paas  
Prof. Dr. R.M.J.P. Rikers  
Dr. H.K. Tabbers  
Dr. T. van Gog  
Dr. P.P.J.L. Verkoeijen

#### *Leiden University*

Dr. F.J.J.M. Janssen  
Dr. P.H.M. Sins  
Dr. E.H. Tigelaar  
Prof. Dr. J.H. van Driel  
Dr. K. van Veen  
Prof. Dr. N. Verloop  
Dr. J.A. Meirink

#### *Maastricht University*

Dr. N.J. Broers  
Dr. A.H.B. De Bruin  
Dr. W.S. De Grave  
Dr. B.A. De Leng  
Dr. D.H.J.M. Dolmans  
Prof. Dr. T. Dornan  
Dr. E. Driessen  
Prof. Dr. W. Gijselaers  
Dr. K.D. Könings  
Dr. A. Muijtjens  
Dr. J. Nijhuis  
Dr. J.J. Rethans  
Prof. Dr. A.J.J.A. Scherpbier  
Prof. Dr. L.W.T. Schuwirth  
Prof. Dr. M. Segers  
Dr. D.M.A. Sluijsmans  
Dr. F.C.J. Stevens  
Prof. Dr. R.K.W. van der Velden  
Prof. Dr. C.P.M. van der Vleuten  
Dr. D.M.L. Verstegen  
Dr. H.A.P. Wolfhagen  
Prof. Dr. J.J.G. van Merriënboer

*Open University of the Netherlands*

Prof. Dr. Th. J. Bastiaens  
Dr. A.J. Berlanga  
Dr. M. Bitter-Rijkema  
Dr. M.J. Boon  
Prof. Dr. H.P.A. Boshuizen  
Dr. F.L.J.M. Brand-Gruwel  
Dr. ir. F.M.R. Brouns  
Dr. M.C.J. Caniëls  
Dr. R.H.M. De Groot  
Dr. M.F. De Laat  
Dr. H.G.K. Hummel  
Dr. J. Janssen  
Dr. D. Joosten-ten Brinke  
Dr. L. Kester  
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