

## Bilag 1

## Internationalt panel

Anders Brandt	Associate Professor	Department of Technology and Innovation, SDU	Danmark
Rene Lyng Eriksen	Associate Professor	Department of Technology and Innovation, SDU	Danmark
Henry Larsen	Professor	Mads Clausen Institutttet, SDU	Danmark
John Hallam	Professor	Mærsk Mc-Kinney Møller Institutttet, SDU	Danmark
Henrik Karring	Associate Professor	Institute of Chemical Engineering, Biotechnology and Environmental Technology, SDU	Danmark
John Erland Østergaard	Professor	TEK Momentum - Erhvervsinnovation og Teknologi, SDU	Danmark
Sven G. Sommer	Professor	Institute of Chemical Engineering, Biotechnology and Environmental Technology, SDU	Danmark
Lars-Peter Ellekilde	Lektor	Mærsk Mc-Kinney Møller Institutttet, SDU	Danmark
Kasper Hallenborg	Ass. Prof	Mærsk Institutttet, SDU	Danmark
René Lyng Eriksen	Associate Professor	Institute of Technology and Innovation, SDU	Danmark
Ulrik Pagh Schultz	Associate Professor	Mærsk Institutttet, SDU	Danmark
Uffe Kock Wiil	Professor	Mærsk Mc-Kinney Møller Institutttet, SDU	Danmark
Haiyan Qu	Associate professor	Institut for Kemi-, Bio- og Miljøteknologi, SDU	Danmark
Dennis Day	Lektor	Institute of Language and Communication, SDU	Danmark
Dirk Kraft	Associate Professor	Mærsk Mc-Kinney Møller Institutttet, SDU	Danmark
Ole Wernberg	Civilingeniør, lic.scient, Lektor emeritus	Department of Chemical Engineering, Biotechnology and Environmental Technology, SDU	Danmark
Norbert Krüger	Professor	Mærsk Mc-Kinney Møller Institutttet, SDU	Danmark
Uffe Kock Wiil, Ph.D.	Professor	Mærsk Mc-Kinney Møller Institutttet, University of Southern Denmark, SDU	Danmark
Ben-Guang Rong	Assoc. Prof. Dr.	Institute of Chemical Engineering, Biotechnology and Environmental Technology , SDU	Danmark
Mads Nygaard Folkmann	Associate Professor, Head of Studies, PhD	Dept. of Design and Communication, University of Southern Denmark, SDU	Danmark
Lene Pedersen	Assoc. Prof. Dr.	Institute of Chemical Engineering, Biotechnology and Environmental Technology , SDU	Danmark
Henrik Gordon Petersen	Professor	Mærsk Mc-Kinney Møller Institutttet, SDU	Danmark
Michael Klausner	Prof. Dr.-Ing., Vice-President	Fachhochschule Kiel	Tyskland
Erik V. Thomsen	Senior Associate Professor	Danmarks Tekniske Universitet, Institut for Mikro- og Nanoteknologi	Danmark
Ole Sejer Iversen	Professor	Aarhus University, Aesthetics and Communication	Danmark
Fumiya Iida	Prof. Dr.	Institute of Robotics and Intelligent Systems, LEO D 9.2, ETH Zürich	Schweiz
Thomas Ostenfeld Larsen	Associate Professor, Head - Natural Products Res	DTU Systembiologi; Institut for Systembiologi, Center for Microbial Biotechnology, Danmarks Tekniske Universitet	Danmark
Fredrik Tell	Professor	Department of Management and Engineering; Business Administration	Sverige
Katherine Richardson	Professor	Department of Biology, Ecology and Evolution, University of Copenhagen	Danmark
Ole Madsen	Professor	Department of Mechanical and Manufacturing Engineering, Aalborg University	Danmark
Patricia L. Brantingham	Professor	School of Criminology; Simon Fraser University	Canada
Niyazi Serdar Sariciftci, FRSC	o.Univ.Prof.Mag.Dr. DDR.h.c.	Director of Institute for Physical Chemistry Director of Linz Institute for Organic Solar Cells (LIOS), Johannes Kepler University	Østrig
Ivica Crnkovic	Professor in Software Engineering	Mälardalen University, IDT	Sverige
Matthias Teschner	Prof.	Computer Science Department, University of Freiburg	Tyskland
Juha Savolainen	D.Sc. (Tech.), Software Systems Manager	Danfoss Power Electronics A/S, Global Research & Development, (DG1240-11)	Danmark
Bilia Anna Rita	Associate professor	Dipartimento di Chimica "Ugo Schiff"	Italien
Gesche Joost	Professor, Dr.	University of the Arts Berlin	Tyskland
Jesus Bisbal	PhD	Rambla de la Pau 34, 4t 2a (Independent contractor)	Spanien
Terje Kristoffer Lien	Professor	Department of Production and Quality Engineering Norwegian University of Science and Technology	Norge
Sami Hietala	Lector, PhD	Department of Chemistry, University of Helsinki	Finland
Johann Reger	Professor	Control Engineering Group; Computer Science and Automation Faculty; Ilmenau University of Technology	Tyskland
Henrik B. Møller	Senior Scientist Dr.	Institut for Ingeniørvidenskab, Aarhus Universitet	Danmark
Arne Skou	Associate Professor	Aalborg University, Department 16 - Department of Computer Science	Danmark
Kim Harry Esbensen	Professor Dr.	GEUS	Danmark
Craig Bremner	Professor	Charles Sturt University	Australien

TorOve Leiknes	Professor	4700 KAUST King Abdullah University of Science and Technology	Saudi-Arabien
Kim Branner	Seniorforsker, ph.d.	Danmarks Tekniske Universitet, Institut for Vindenergi, DTU Risø Campus	Danmark
Emil J. W. List	Dr.	Scientific Managing Director and CEO, NanoTecCenter Weiz forschungsgesellschaft mbH	Østrig
Tom Djajadiningrat	Creative Director	Philips Design	Nederlandene
Holk Cruse	Dr.	Bielefeld University	Tyskland
Joseph Vercauteren	Professor, Head – Pharmacognosy laboratory	University of Montpellier 1, Faculty of Pharmacy of Montpellier	Frankrig
Birte Holst Jørgensen	Vice-Instituteder	DTU Management Engineering; Danmarks Tekniske Universitet	Danmark
Christel Cederberg	Adjunct Professor / Research Scientist	Sustainable Food Production, Chalmers University of Technology / SIK – the Swedish institute for Food and Biotechnology	Sverige
Ales Ude	Professor	Jozef Stefan Institute	Slovenien
Kaj Grønbæk	Professor	Department of Computer Science, Aarhus University	Danmark
Arne Nylandsted Larsen	Professor	Department of Physics and Astronomy	Danmark
Jesús Bisbal	Professor	INS Manuel de Cabanyes	Spanien
Poul Hjorth	Ass. Prof.	Computer Science Department	Danmark
Patrick Heymans	Professor	Faculté d'Informatique, University of Namur (FUNDP)	Belgien
Per Bendix Jeppesen	Associate professor	Aarhus University Hospital, Department of Endocrinology MEA	Danmark
Christian Clausen	Professor	Aalborg University Copenhagen	Danmark
Javier Bajo Pérez	Associate Professor, PhD Secretary	Department of Artificial Intelligence, School of Computer Science	Spanien
Finn Willy Poulsen	Senior Researcher	DTU Kemiteknik, Institut for Kemiteknik, BIOENG	Danmark
Anibal Castilho Coimbra de Matos	Assistant Professor	Department of Electrical and Computer Engineering; Faculty of Engineering; University of Porto	Portugal
Philippe Mathieu	Professor	LIFL Bat M3	Frankrig
Andre JA Aarnink	dr.ir.	Animal Sciences Group (ASG), Wageningen UR Livestock Research	Nederlandene
Adriano José da Conceição Tavares	Associate Professor	Industrial Electronics Department, University of Minho	Portugal
Thomas Amon	Prof. Dr.	Leibniz Institute for Agricultural Engineering (ATB), Potsdam Bornim	Tyskland
Reda Alhajj	Dr.	Dept of Computer Science; University of Calgary	Canada
Thomas Markussen	Associate professor, PhD & MA	Kolding School of Design	Danmark
Lars René Lindvold	Senior Researcher, PhD	Center for Nukleare Teknologier, DTU Nutech, Risø Campus	Danmark
Kirsten Tracht	Professor	Bremer Institut für Strukturmechanik und Produktionsanlagen (BIME), Universität Bremen	Tyskland



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J. no.: [REDACTED]

Date: August 14, 2014  
Ref.: TND

[REDACTED] has 07-08-2014 submitted the thesis "Plant Object Classification in 2D Imagery" for the Danish PhD degree in Robotics. The faculty of Engineering at SDU is very pleased that you have agreed to be a member of the evaluation committee. The Dean of The Faculty of Engineering has appointed an assessment committee comprising the following members:

Professor Norbert Krüger (Chair)  
MMMI, Syddansk Universitet  
Campusvej 55, 5230 Odense M, Danmark  
**Contact Info: E-mail address:** [norbert@mmmi.sdu.dk](mailto:norbert@mmmi.sdu.dk); **Phone no:** 27787483; **Web:** <http://findresearcher.sdu.dk:8080/portal/da/person/norbert>

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Doktor Jochen Hemming  
Wageningen UR Greenhouse Horticulture  
Wageningen Campus, Droevendaalsesteeg 1 (building 107 - Radix),, 6708 PB Wageningen P.O. Box 644, 6700 AP Wagening, Nederlandene  
**Contact Info: E-mail address:** [jochen.hemming@wur.nl](mailto:jochen.hemming@wur.nl); **Phone no:** +31-(0)317-486710; **Web:** <http://www.wageningenur.nl/en/Persons/dr.-J-Jochen-Hemming.htm>

[REDACTED] principal supervisor Professor John Hallam, shall take part in the committee work without voting rights.

We draw your attention to the fact that according to the Danish Ministerial Order on the PhD Programme at the Universities section 20 subsection 2 a preliminary statement has to be given within 2 months from the submission date, and the final statement has to be given within 3 month from the submission date. **The preliminary statement must be signed by the chair of the committee. The final statement must be signed by all evaluation committee members. Both evaluations must be sent to:**

University of Southern Denmark  
The Faculty of Engineering  
TECH - Education and Quality Assurance, NBA A16  
Campusvej 55, DK-5230 Odense M, Denmark  
/ [tnd@tek.sdu.dk](mailto:tnd@tek.sdu.dk)

The content of the PhD programme is set by the *Danish Ministerial Order on the PhD programme at the Universities (the PhD Order)* which meets the requirements of the Bologna Process. This means that the PhD study in Denmark is equivalent to a workload of 180 ECTS. **Within the first 2 years of the study all PhD students must:**

- Complete PhD courses equivalent to 30 ECTS (approximately 840 hours work load).
- Gain experience in knowledge dissemination. If a PhD student has a full scholarship he/she must, due to The Collective Agreement between the Ministry of Finance with the Danish Confederation of Professional Associations, carry out paid work for the institute in the amount of 840 hours.
- Participate in active research environments, including stay at other, mainly foreign, research institutions. The Faculty of Engineering has set a rule that the PhD programme must include a change of research environment of no less than 3 weeks and no more than 6 months.

All of the above conditions mean that the student has 2 years to the research part of the PhD programme incl. a change of research environment.

**The assessment committee's task includes both the provision of a written international evaluation of the PhD programme at the PhD school and a preliminary and final evaluation of the individual thesis and defence.**

We kindly ask you to make a written evaluation of the PhD programme at the PhD school in an online questionnaire that will be sent to you by e-mail. Filling in the questionnaire will take less than 2 minutes. Thank you in advance.

Best regards,

Trine Nøhr Demkjær  
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**Copy for:**  
Principal Supervisor  
Department

**Enclosures:**  
Thesis  
Supervisor's statement  
Co-author statements  
Guidelines in connection with the Evaluation and Defence of Ph. D. Dissertations at the Faculty of Engineering at the University of Southern Denmark  
Ministerial Order on the PhD Course of Study and on the PhD Degree  
Forms for assessment fee, travel accounting (external members)

# **Guidelines in connection with the Evaluation and Defense of PhD Theses at the Faculty of Engineering at University of Southern Denmark**

## **Completion of the PhD Programme**

### **Step 1: Nomination of Evaluation Committee**

The Evaluation Committee must be nominated no later than two weeks after the submission of the thesis. The Head of the Department has to sign the proposal for nomination of the Evaluation Committee, propose a chairman for the committee and ensure that the proposed members are willing to serve on the committee.

When the Faculty receives the proposal for nomination of Evaluation Committee, the PhD committee and Dean has to approve it after which the student is informed about the composition. The student is given a week to react if he/she is not satisfied with the members of the committee. When the student has approved the committee the Faculty sends the thesis to the members of the committee and the main supervisor.

Please note that the Evaluation Committee consists of three members who must be of professorial or full-time associate professorial status or have equivalent qualifications. Two of the members must be external and one must be a member of the staff of the University of Southern Denmark. One of the members must come from a foreign university. The student's supervisors may not be members of the Committee, but the main supervisor takes part in the committee's deliberations without voting rights.

### **Step 2: Preliminary Evaluation**

Two months, at the latest, after submission of the thesis the Evaluation Committee delivers a preliminary evaluation. This evaluation has to be signed by the chairman and must state, with reasons, whether the thesis in its current form is a suitable basis for the award of the PhD-degree and whether this opinion is unanimous or a majority decision. The Department and the chair of the assessment committee are responsible for holding the deadline. The evaluation is submitted to the faculty PhD coordinator.

The preliminary evaluation is normally brief (approx. half an A4 page) and includes a description of the broad characteristics of the thesis whether it is of a reasonably high quality, of sufficient independence thought, and meets an appropriately high international standard rather than comment on the specific details of the thesis.

If the preliminary evaluation is positive, the Faculty will inform the student and send him/her a copy of the evaluation without further comments.

If the evaluation is negative, the Faculty may set a deadline on at least three months for the

submission of a revised thesis and the original thesis is returned to the student. The student and his/her main supervisor are given a deadline of two weeks to make remarks to the evaluation and its recommendations.

### **Step 3: Conduct of the Public Defense**

If the assessment committee's preliminary evaluation is positive the thesis is defended at a public defense. The defense is held no sooner than two weeks after the Evaluation Committee has given their preliminary recommendation and at most three months after the submission of the thesis.

At least three weeks before the public defense takes place, the chairman of the committee must inform the Faculty PhD coordinator of the details for the defense, i.e. date, hour, room, chairman of the defense and title of the lecture. The title of the lecture is equivalent of the title of the thesis (decided at the PhD-study board meeting November 11<sup>th</sup> 2008). The subject of the lecture must take the dissertation as its starting point but need not necessarily be an exposition of the thesis. It is the chairman of the committee's responsibility to ensure that the room reserved is of sufficient capacity and to ensure the publication of the time and place for the defense. The time must be fixed after discussion with the other committee members and the student.

### **Step 4: The Defense**

The defense follows the structure below:

1. Introduction by the chairman of the defense.
2. The student gives a 30-45 minute presentation (see Step 4).
3. The chairman of the defense may allow questions from the audience specifically related to the presentation.
4. The two external members of the Evaluation Committee comment on the report and/or examine the student. The chairman of the defense limits this discussion to one hour.
5. The University of Southern Denmark's member of the Evaluation Committee has 30 minutes at most for opposing the dissertation.
6. The chairman of the defense closes the meeting. Before doing so, he may invite the student to make a short comment.

Note that a contribution from the principal supervisor is not expected. The chairman of the defense may waive this rule if so requested by the assessment committee. The principal supervisor's contribution in that case will be limited to 30 minutes.

### **Step 5: The written evaluation of the PhD programme at the PhD school and the final assessment of the thesis and the defense**

The assessment committee's final tasks includes both the provision of

1. a written evaluation of the PhD programme at the PhD school

2. a final evaluation of the individual thesis and defence.

### **The two evaluations are made separately.**

#### **Assessment of the PhD school:**

The assessment committee is asked to individually make a written international evaluation of the PhD programme at the PhD school in a written evaluation of the PhD programme at the PhD school in an online questionnaire that will be sent to the committee members by e-mail. Filling in the questionnaire will take less than 2 minutes. The faculty highly values evaluation of the PhD programme at the PhD School that includes comments of the committee's members on:

1. the contents of the PhD programme within the time limits set by the PhD order and the internal faculty rules as described in the cover letter

#### **The final assessment:**

The assessment committee gives its final evaluation on whether the PhD degree should be awarded. This evaluation must be based on both the written thesis and the oral defense. Both parts must be commented on in the recommendation. The committee also has to comment on whether the thesis contains material worthy of publishing. This evaluation may take the preliminary evaluation as its starting point, but in contrast to that it must be fuller and in depth, and will normally be 1-2 pages long. The final assessment must be submitted to the faculty PhD coordinator no later than two weeks after the public defense.

The PhD degree is awarded if there is a positive assessment from a unanimous assessment committee or from two of the committee's members. The positive final assessment must clearly state that the committee recommends that the degree be conferred.

If the assessment committee final assessment is negative, the Faculty will send the final evaluation to the author, who has up to two weeks to comment on the final evaluation. After the author's comments have been received, the faculty may decide to let the thesis be evaluated by a new assessment committee if the author has requested this.

#### **Step 6: The diploma**

If the final evaluation is positive the Faculty PhD coordinator sends it to the Academy Council who is given one week to comment on the final evaluation. If there are no objections from the academic council the Faculty PhD coordinator informs the student that he/she has been awarded the PhD-degree.

**Special exceptions:** Any confidential information may, by agreement, be made available to the assessment committee in a separate confidential part of the thesis and presented at a closed pre-

defense. In such cases the confidential information is only made available to the official opponents against the signing of the confidentiality agreement. The public part of the thesis and defense should be sufficient for the award of the PhD degree. To obtain advice regarding confidentiality agreements, please contact "Forskertjeneste Jura".