

PhD student	Alessandro Dal Corso					
Start of study	01.10.2014					
Date of birth	21.02.1989					
Thesis submission date 31.03.2018						
Title of the thesis	Towards Interactive Photorealistic Rendering					
PhD school/department	MFI / DTU Compute					
Please list all <b>current</b> su	pervisors below:					
Title	Associate Professor					
* Supervisor Full name	Jeppe Revall Frisvad					
Date of birth	01.11.1980					
Title * Co-supervisor (if any) Full name	Associate Professor  Jakob Andreas Bærentzen					
Date of birth	31.05.1973					
Title * Co-supervisor (if any) Full name						
Date of birth						
Joint author statement						
The PhD thesis contains author statement(s) are	excerpts from <b>7 articles</b> , of which <b>7 articles</b> are co-authored. The joint enclosed with the thesis					
	ograph and does not contain articles					
Popular science summa	rv					

A popular science summary of the thesis, its innovations and their utilization of approximately half a page has been sent to the PhD Office via DTU Doc by the PhD secretary at the department. The form can be found on <u>DTUInside</u>.



### External research stay

University or company

Country (if outside DK)

Period

26.11.2015 to 15.05.2016 - 171 days

University or company

University of Tokyo

Country (if outside DK)

Japan

Period

27.09.2017 to 21.12.2017 - 85 days

## Studies abroad (conferences, courses etc.)

USA

Country

Financing

Please state all the PhD student's studies abroad during the PhD studies. Please state location, country from which the funds for the journey and stay were provided, type of stay (conferences or courses), period of time as well as duration.

University or company	SIGGRAPH Asia 2015					
Country	Japan					
Financing	DTU Compute PhD scholarship					
Type of stay	Conference					
Period	02.11.2015 to 05.11.2015, 4 days					
* Dates as well as duration (n	number of days/weeks)					
University or company	EGSR 2016 & HPG 2016 & MAM 2016					
Country	Ireland					
Financing	DTU Compute PhD scholarship					
Type of stay	Conferences					
Period	19.06.2016 to 24.06.2016, 6 days					
* Dates as well as duration (n	number of days/weeks)					
University or company SIGGRAPH 2017 & HPG 2017						

DTU Compute PhD scholarship

<sup>\*</sup> Dates as well as duration (number of days/weeks)



Type of stay Conferences

Period 28.07.2017 to 03.08.2017, 6 days

\* Dates as well as duration (number of days/weeks)

University or company SIGGRAPH Asia 2017

Country Thailand

Financing Image section overhead

Type of stay Conference

Period 27.11.2017-30.11.2017, 4 days

### Overall evaluation of the PhD studies

The course participation is in accordance with the most recently approved study plan.

The dissemination activities are in accordance with the most recently approved study plan.

### Review of the PhD studies

The review serves as the basis of the approval by the Head of the PhD school

<sup>\*</sup> Dates as well as duration (number of days/weeks)

<sup>\*</sup> Please specify how the requirements regarding dissemination were fulfilled. Please also state how the requirements regarding the external research stay were fulfilled, if these were not accounted for above.



Dissemination requirements were fulfilled through 250 hours of teaching assistance (distributed across courses 02393, 02561, 02562, 02564), project student supervision, various conference demonstrator presentations, 7 published peerreviewed papers (5 of them first authored), and 2 papers, 1 poster, and 1 VR demonstrator presentations at international conferences.

Two external stays were completed during the PhD studies. One was at NVIDIA Corporation (nearly 6 months) and became a leave from the DTU employment, as NVIDIA wanted to secure the IP rights. Thus, the project period was extended. Nevertheless, the research carried out during the leave is still part of the PhD. The other external stay was at University of Tokyo (nearly 3 months).

Alessandro Dal Corso fulfilled all expectations and his performance has been highly satisfactory. I am convinced that his PhD committee will recommend that he is awarded the PhD degree.

Dissemination of the work conducted at his second external stay is not included in the thesis. However, results are very promising, and it will be exciting to complete this research during the next few months.

Alessandro has been a highly valued driving force in our section. We hope to keep him in the group as long as we are able.

<b>X</b> T	he overall PhD studies	s were complet	ed satisfactorily.
Т	he overall PhD studies	were NOT co	mpleted satisfactorily.
Date	29.03.2018	_ Signature	Supervisor

## Approval of the overall PhD studies

I	The overa	ll PhD	studies	were	completed	satisfactorily.	The F	PhD	thesis	may	be	submitted	foi
П	 												



%

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# Supervisor report

06 Abroad

Time in total

	evaluation The overall PhD studies were NOT for evaluation. Please specify the r			esis cannot be subn	nitted
Da	teSignatu	re	Head of PhD school		
X	Onfirmation from the Ph I confirm having read this report. te 27.03.2018 Signatu		Student  PhD student		
Re	eporting form to the min	าเร	stry	Time in person	togo
01	DTU			Time in percent	iaye %
02	Another Danish university			10070	— %
03	Hospital in Denmark				— %
04	Another public institution in Denma	rk			_ %
05	Private company in Denmark				%
07	Public company in Denmark				%
80	Another employer in Denmark				%

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Scientific profile according to discipline

Below, please give a rough percentage of the distribution of the total research activities of the PhD project according to discipline. No more than three disciplines may be indicated, so the distribution must be based on the most important disciplines. Remember that the figures must add up to 100 per cent.

Natı	ural sciences			Agri	cultural and veterinary sciences	
120	Mathematics	20	%	420	Agricultural plants and	
125	Computer science	60	- %		horticulture	%
130	Physics *incl. biophysics	20	- %	430	Fishery	%
135	Chemistry		- %	435	Animal production	%
140	Geology		_ %	440	Veterinary science	%
141	Physical geography		_ %	445	Biotechnology in agriculture	%
142	Human geography		%	450	Other areas of the agricultural	
145	Biochemistry		%		and veterinary sciences	%
150	Biology		_ %			
155	Other areas of the natural					
	sciences		<u></u> %			
Tec	hnical sciences			Soci	ial sciences	
220	Building, construction and			520	Psychology	%
	transport		%	525	National economics	%
225	Electronics, electrical eng. and			530	Business economics	%
	communications		_ %	535	Pedagogy	%
235	Chemical technology		%	540	Sociology *incl. anthropology	
240	Materials		_ %		and ethnology	%
245	Medico technology		_ %	545	Jurisprudence	%
250	Power and environmental eng.		_ %	550	Political sciences	%
255	Biotechnology in the areas			555	Urban and physical planning	%
	power and environmental		_ %	560	Media and communication	%
260	Industrial biotechnology		%	565	Other areas of the social	
265	Nanotechnology		_ %		sciences	%
270	Other areas of the technical		_ %			
	sciences					
	Ith sciences				nanities	
320	Basic medicine		_ %	620	History	%
325	Pharmaceutical science and			625	Archaeology	%
	pharmacology		_ %	630	Linguistics and Philology	%
330	Clinical medicine		_ %	635	Literature	%
335	Odontology		_ %	640	Philosophy and history of ideas	%
340	Health duty		_ %	645	Theology	%
355	Care		_ %	650	Music and theatre studies	%
360	Community medicine and		_ %	655	Art and architectural studies	%
370	public health		_ %	660	Film and media studies	%
380	Other areas of the health			665	Other areas of the humanities	%
	services		%			



# Academic profile according to research areas

Below, please give a rough percentage of the total research activities of the PhD project measured in man-years, as it may be attributed to individual research areas

Please note that the list only includes selected research areas. The areas may overlap and the percentages may add up to more or less than 100 per cent.

Res	earch areas	Percentage
002	Climate	%
003	Energy	%
013	Biotechnology	%
031	Globalisation	%
032	Environment	%
033	Food *including food safety	%
034	Cancer research	%
035	Nanoscience	%
039	Integration	%
040	Democracy	%
041	Welfare	<u> </u>
042	Entertainment economy and tourism	%
043	Prevention and health promotion	%
044	Gender studies	%
045	Multidisciplinary research	%
046	Information and communication technology	100 %
047	Cyber and information security	%
048	Robot and/or drone technology	%
049	Psychiatry	%
050	Transport	%

The project included no research within the above-listed areas