

Future of Identity in the Information Society

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Summary

Training for PhD students within FIDIS is conducted through structured and timely events held at or in association with an academic institution from within the FIDIS network. The specific target of the FIDIS Doctoral Consortium is to establish an interdisciplinary network of PhD-students through such structured and timely meetings. To this end, the aim of this deliverable was to organise and execute the first annual FIDIS Summer School. These are designed to tie-in with other closely related events to expand the knowledge base and as a byproduct to further publicise the work of FIDIS. This means that, whilst assuring the interests of FIDIS, the event also targeted participants outside the FIDIS network.

The 2007 event was successfully held on the 6^{th} – 10^{th} August in Karlstad, Sweden, jointly with IFIP (International Federation of Information Processing) Working Groups 9.2 (Computers and Social Accountability), 9.6/11.7 (IT Misuse and the Law) and 11.6 (Identity Management). The proceedings of the event have subsequently been published by the official IFIP publisher Springer Science and Business Media.





D15.2 **FIDIS**

Future of Identity in the Information Society (No. 507512)

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Members of the FIDIS consortium

1.	Goethe University Frankfurt	Germany
<i>2</i> .	Joint Research Centre (JRC)	Spain
<i>3</i> .	Vrije Universiteit Brussel	Belgium
<i>4</i> .	Unabhängiges Landeszentrum für Datenschutz	Germany
<i>5</i> .	Institut Europeen D'Administration Des Affaires (INSEAD)	France
6.	University of Reading	United Kingdom
<i>7</i> .	Katholieke Universiteit Leuven	Belgium
8.	Tilburg University	Netherlands
9.	Karlstad University	Sweden
10.	Technische Universität Berlin	Germany
11.	Technische Universität Dresden	Germany
<i>12</i> .	Albert-Ludwig-University Freiburg	Germany
13.	Masarykova universita v Brne	Czech Republic
14.	VaF Bratislava	Slovakia
<i>15</i> .	London School of Economics and Political Science	United Kingdom
<i>16</i> .	Budapest University of Technology and Economics (ISTRI)	Hungary
<i>17</i> .	IBM Research GmbH	Switzerland
18.	Institut de recherche criminelle de la Gendarmerie Nationale	France
19.	Netherlands Forensic Institute	Netherlands
20.	Virtual Identity and Privacy Research Center	Switzerland
21.	Europäisches Microsoft Innovations Center GmbH	Germany
22.	Institute of Communication and Computer Systems (ICCS)	Greece
23.	AXSionics AG	Switzerland
24.	SIRRIX AG Security Technologies	Germany

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Versions

Version	Date	Description (Editor)
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1.0	25.04.2008	Internally reviewed release

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Foreword

FIDIS partners from various disciplines have contributed as authors to this document. The following list names the main contributors for the chapters of this document:

Chapter	Contributor(s)	
All Chapters	Deliverable Editors	

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1 Executive Summary

Establishing long-term links, i.e. beyond the life-time of the FIDIS NoE, between partners is key to ameliorating the research fragmentation issues both at a fundamental level across disciplines and at the broader level across Europe. The specific aim of the FIDIS Doctoral Consortium is to establish an interdisciplinary network of PhD-students through structured meetings and as such these events are clearly of very high value. The consortium is an important integrative and disseminative part of the Network: It connects students and researchers from the disparate FIDIS domains together, fosters interdisciplinary collaboration and is an important platform for networking. Indeed being a heterogeneous environment, the DC meetings are a unique opportunity to exchange ideas and build a true research network.

The aim of this deliverable was to organise and execute the first annual FIDIS Summer School, an event akin to a formal academic conference. These are designed to tie-in with other closely related events to expand the knowledge base and as a by-product to further publicise the work of FIDIS. This means that, whilst assuring the interests of FIDIS, the event specifically also targeted participation from outside the FIDIS network.

The 2007 event was successfully held on the 6^{th} – 10^{th} August in Karlstad, Sweden, jointly with IFIP (International Federation of Information Processing) Working Groups 9.2 (Computers and Social Accountability), 9.6/11.7 (IT Misuse and the Law) and 11.6 (Identity Management). The aim of the IFIP summer school was to introduce participants to the social implications of Information Technology through the process of informed discussion. Following the holistic approach advocated by the involved IFIP working groups, a diverse group of participants ranging from young doctoral students to leading researchers in the field were encouraged to engage in discussion, dialogue and debate in an informal and supportive setting.

This event proved to be notably successful, with more than 55 delegates from 20 countries actively participating. The proceedings of the event have subsequently been published by the official IFIP publisher Springer Science and Business Media.

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2 Introduction

A Network of Excellence (NoE) is an instrument for strengthening excellence by tackling the fragmentation of research across Europe, where the main deliverable is a durable integration of the research capacities of the participants. The exchange of knowledge is essential in this context, and considered one of the *desiderata* within FIDIS. Equally, establishing long-term links, i.e. beyond the life-time of the NoE, between partners is key to ameliorating the fragmentation issues both at a fundamental level across disciplines and at the broader level across Europe. One core method by which both can be attained is through the cross discipline training of PhD students within the FIDIS network. The importance of this aspect is echoed by the elaboration of this specific area into its own focussed Work Package (WP15) within FIDIS. This new Work Package builds on the solid foundation already established during its origins within Work Package 8.

The 'FIDIS Doctoral Consortium' is an important integrative and disseminative part of the Network: It connects students and researchers from the disparate FIDIS domains together, fosters interdisciplinary collaboration and is an important platform for networking. Indeed being a heterogeneous environment, the DC meetings are a unique opportunity to exchange ideas and build a true research network. Moreover, the DC events contribute substantially to the dissemination of the FIDIS results both internally and externally, allowing for information flow both in and out of the dedicated network.

The FIDIS Summer School markedly differs from the smaller PhD training events which occur as part of WP15 throughout the year. While the drive is still to encourage a stimulating discourse between all participants, with these longer events the aim is to provide a setting more akin to a formal academic conference, with participation widely drawn from reputed sources beyond the FIDIS network. With a formal program committee, extensive review process for participant's submissions, and subsequent publication of proceedings, these events have the potential to offer a high degree of academic value.

2.1 Aims of the FIDIS International Summer School

The aim of the IFIP summer school was to introduce participants to the social implications of Information Technology through the process of informed discussion. Following the holistic approach advocated by the IFIP working groups involved, a diverse group of participants ranging from young doctoral students to leading researchers in the field were encouraged to engage in discussion, dialogue and debate in an informal and supportive setting. The interdisciplinary and international emphasis of the Summer School allowed for a broader understanding of the issues in the technical and social spheres.

The FIDIS Summer School event is detailed in the following sections. Note that material including abstracts, papers, presentations and tutorials is available on the official site¹, and is linked from the internal FIDIS portal².

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¹ http://www.cs.kau.se/IFIP-summerschool/

3 1st FIDIS International Summer School: The Future of Identity in the Information Society

From the 6th to the 10th August 2007, the 1st FIDIS international Summer School was held in co-operation with the IFIP (International Federation for Information Processing) working groups 9.2 (Social Accountability), 9.6/11.7 (IT Misuse and the Law) and 11.6 (Identity Management) 3rd International Summer School on "The Future of Identity in the Information Society", at Karlstad University. The Summer School addressed the theme of Identity Management in relation to current and future technologies in a variety of contexts.

Below are detailed the key aspects of the event, the full event programme is given in Annex 1, workshops and presentations are detailed in Annex 2, the program and organising committees are listed in Annex 3, the full list of participants in Annex 4.

3.1 Event synopsis

The increasing diversity of Information Communication Technologies and their equally diverse range of uses in personal, professional and official capacities raise challenging questions of identity in a variety of contexts. Each communication exchange contains an identifier which may, or may not, be intended by the parties involved. What constitutes an identity, how do new technologies affect identity, how do we manage identities in a globally networked information society?

Both IFIP and FIDIS take a holistic approach to technology and support interdisciplinary exchange, and so contributions combining technical, social, ethical or legal perspectives were solicited. A series of keynote speeches (see Annex 2) provided a focus for the theme of the Summer School – Social and Political Dimension of Identity, Identity Management Architectures, Identity & Privacy in Social Communities, Identity Theft, Transparency and User-Controlled Identity Management, ICT Implants, eHealth and Ethical Challenges, Identity& Mobility – and the contributions from participants enhanced the ideas generated by the keynote speeches.

The event took the form of an academic conference, with keynote speakers and presentations of research by the participants. For submitted work, the review process consisted of two steps: First contributions for presentation at the Summer School were selected based on a review of submitted short papers by the Summer School Programme Committee (see Annex 1). Successful papers were presented and discussed at the Summer School event during structured workshop sessions (see Annex 2). After the Summer School, authors had the opportunity to submit their final full papers, where they addressed also the issues raised during the discussions at the Summer School. These papers were again reviewed and those included in the subsequent proceedings were carefully selected by the International Summer

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² http://internal.fidis.net/community-main/phd/

School Programme Committee and by additional Reviewers according to common quality criteria. The proceedings include both keynote papers and submitted papers accepted by the Programme Committee and have subsequently been published by the official IFIP publisher Springer Science and Business Media³. Where applicable, students who actively participated, in particular those who presented a paper, were eligible to receive a course certificate from Karlstad University which awarded 3 ECTS at PhD Level.

3.2 Conclusion

This event proved to be notably successful, with more than 55 delegates from 20 countries actively participating, with notable intensive discussions between Ph.D. students and senior acknowledged researchers from different disciplines. The participant's presentations are listed in Annex 2, and are available on the official site⁴, linked from the FIDIS internal portal. Annex 4 gives the full list of participants.

Certainly this Summer School event was timely, with the theme on Identity Management in relation to current and future technologies in a variety of contexts tying in very well with ongoing FIDIS work, and highly active research topics. Equally, the co-operation of IFIP and FIDIS for this event worked very well and proved highly complementary. Since IFIP takes a holistic approach to technology, and FIDIS supports interdisciplinary exchange, so participants' contributions ranged well, combining perspectives such as technical, social, ethical and legal.

Overall, the feedback from the participants was overwhelmingly positive, especially with regard to the choice of topic, its relevance to their own work, and the wider work of their institution. Equally, the consensus was that a good balance between the represented disciplines was found to the benefit of the event and its participants. More generally, it was widely acknowledged that the organisation, administration and location were of an excellent standard and that the event objectives were met to the satisfaction of all participants. The approach taken for reviewing submissions worked well, resulting in a high quality published proceedings.

Feedback from this event is being further reviewed and fed into the organisation of the next Summer School event which is tentatively set for September 2008.

http://www.springer.com/computer/book/978-0-387-79025-1

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³ 'The Future of Identity in the Information Society', Proceedings of the Third IFIP WG 9.2, 9.6/11.6, 11.7/FIDIS International Summer School, Karlstad University, Sweden, August 4-10, 2007. Series: IFIP International Federation for Information Processing, Vol. 262, Fischer Hübner, S.; Duquenoy, P.; Zuccato, A.; Martucci, L. (Eds.), 2008, XII, 432 p., ISBN: 978-0-387-79025-1.

⁴ http://www.cs.kau.se/IFIP-summerschool/

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Annex 1: Event Programme

Final Program

Sunday, 5th August:

19:00: Welcome Reception at Carlstad Conference Centre (Tage Erlandergatan 10)

Monday, 6th August:

8:30: Bus Departure from the IBIS Hotel (Västra Torggatan 20) to Karlstad University,

Registration (Foyer of Building 12)

Morning Keynote Session (Room 12B 150)

Session Chair: Penny Duquenoy

9:15: Welcome, Introduction

9:30 - 10:30: Keynote talk: Charles Raab, University of Edinburgh, UK (Social and Political

Dimensions of Identity)

10:00 - 10:30: Coffee

11:00 - 12:00: Keynote talk: Slava Kavsan, Microsoft Windows Core Architect, USA (Claims-Based Identity Layer for the "New" Internet)

12:00 - 13:30: Lunch

13:30 - 17:00: Afternoon Workshops (coffee break at 15:00)

Workshop 1 on "Privacy Exploits" (Room 12B 149)

Workshop 2 on "Social and Philosophical Aspects of Identity" (Room 12B 151)

17:10: Bus Transfer to the IBIS Hotel

Tuesday, 7th August:

8:30: Bus Transfer from the IBIS Hotel to the University

Morning Keynote Session (Room 12B 150)

Session Chair: Simone Fischer-Hübner

9:00 - 10:00: Keynote talk: Morton Swimmer, IBM Research Zurich, Switzerland (Second Life - Security and Privacy at Risk)

10:00 - 10:30: Coffee

10:30 - 12:30: Keynote talks: Ronald Leenes, Tilburg University, Netherlands (Second Life Social and Legal Challenges)

Malin Sveningsson Elm, Karlstad University, Sweden (Young People's Gender- and Identity work in a Swedish Internet Community)

12:30 - 13:45: Lunch

13:45 - 16:30: Afternoon Workshops (coffee break at 15:15)

Workshop 3 on "Ethical and Privacy Aspects of RFID" (Room 12B 149)

Workshop 4 on "Privacy and Identity in Online Social Networks and Communities" (Room 12B 151)

16:40: Bus Transfer to the IBIS Hotel

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18:00: Social event (Boat trip on Lake Vänern including Dinner, Departure: Inre Hamnen)

Wednesday, 8th August 2007:

8:30: Bus Transfer from the IBIS Hotel to the University

Morning Keynote Session (Room 12B 150)

Session Chair: Louise Yngström

9:00 - 10:00: Keynote talk: Lorenz Mueller, AXSionics, Switzerland (Authentication and Transaction Security in E-Business)

10:00 - 10:30: Coffee

10:30 - 11:30: Keynote talk: Marit Hansen, Independent Centre for Privacy Protection, Germany (Marrying Transparency Tools with User-Controlled Identity Management)

11:30 - 13:00: Lunch

13:00 - 16:30: Afternoon Workshops (coffee break at 14:30)

Workshop 5 on "Identity Management" (Room 12B149)

Workshop 6 on "Legal Identity and Identification Aspects" (Room 12B 151)

16:40: Bus Transfer to the IBIS Hotel

Thursday, 9th August:

8:30: Bus Transfer from the IBIS Hotel to the University

Morning Keynote Session (Room 12B 150)

Session Chair: Jacques Berleur

9:00 - 10:00: Keynote talk: Mark Gasson, University of Reading, UK (ICT implants)

10:00 - 10:30: Coffee

10:30 - 11:30: Keynote talk: Diane Whitehouse, The Castlegate Consultancy, UK (Ethical Aspects of eHealth)

11:30 - 13:00: Lunch

13:00 - 16:30: Afternoon Workshops (coffee break at 14:30)

Workshop 7 on "Privacy-Enhancing Technologies" (Room 12B 149)

Workshop 8 on "Social and Cultural Aspects of Identity" (Room 12B 150)

Workshop 9 on "Identifiers in eHealth" (Room 12B 151)

16:40: Bus Transfer to the IBIS Hotel (bus continues to Mariebergsskogan)

18:00: Social event: Tour at Mariebergsskogen, Conference Dinner

Friday, 10th August:

8:30: Bus Transfer from the IBIS Hotel to the University

Morning Keynote Session (Room 12B 150)

Session Chair: Kai Kimppa

9:00 - 10:00: Keynote talk: Albin Zuccato, TeliaSonera, Sweden (Mobile Identity Management)

10:00 - 10:30: Coffee

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10:30 - 12:00: Late Morning Workshops

Workshop 10 on "Economical and Organisational Identity Aspects" (Room 12B 149)

Workshop 11 on "Economical Aspects of Identity Management" (Room 12B 151)

12:00 - 12:30: Closing session

12:30: Lunch

13:30: Bus Transfer to the Train Station and the IBIS Hotel

- End of the Summer School-

Annex 2: Keynote Presentations and Workshops

Keynote Presentations:

Charles Raab, University of Edinburgh, UK, "Social and Political Dimensions of Identity"

Slava Kavsan, Microsoft Windows Core Architect, USA, "Claims-Based Identity Layer for the "New" Internet"

Morton Swimmer, IBM Research Zurich, Switzerland, "Second Life - Security and Privacy at Risk"

Ronald Leenes, Tilburg University, Netherlands, "Second Life Social and Legal Challenges"

Malin Sveningsson Elm, Karlstad University, Sweden, "Young People's Gender- and Identity work in a Swedish Internet Community"

Lorenz Mueller, AXSionics, Switzerland, "Authentication and Transaction Security in E-Business"

Marit Hansen, Independent Centre for Privacy Protection, Germany, "Marrying Transparency Tools with User-Controlled Identity Management"

Mark Gasson, University of Reading, UK, "ICT implants – the Invasive Future of Identity?"

Diane Whitehouse, The Castlegate Consultancy, UK, "Ethical Aspects of eHealth"

Albin Zuccato, TeliaSonera, Sweden, "Mobile Identity Management"

Workshop 1: "Privacy Exploits"

Session Chair: Morton Swimmer

Dominik Birk, Sebastian Gajek, Felix Gröbert, Ahmad-Reza Sadeghi Ruhr University Bochum, Germany, "A Forensic Framework for Tracing Phishers"

Tom Keenan, University of Calgary, Canada: "On the Internet, Things Never Ever Go Away Completely"

Emin Islam Tatli, Mannheim University, Germany, "Google Hacking Against Privacy"

Martin Boldt, Blekinge University of Technology, Sweden, "Privacy-Invasive Software and preventive mechanisms"

Workshop 2: "Social and Philosophical Aspects of identity"

Session Chair: Ronald Leenes

Bibi van den Berg, Erasmus University Rotterdam, Netherlands, "Self, script and situation - Identity in a world of ICTs"

Noemi Manders-Huits and Jeroen van den Hoven, TU Delft, Netherlands, "Managing Identities and Moral Identification"

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Nathalie Grandjean, Benjamin Six, University of Namur, Belgium, "Identity, trust and consent in surveillance society"

Rocío Rueda Ortiz, Leif Bloch Rasmussen, Central University Bogotá, Colombia and Copenhagen Business School, Denmark, "Changing Identities in Information Societies"

Workshop 3: "Ethical and Privacy Aspects of RFID

Session Chair: Diane Whitehouse

Marc van Lieshout, Linda Kool, TNO, Netherlands, "Little sisters are watching you - A privacy assessment of RFID"

Markus Hansen, Sebastian Meissner, Independent Centre for Privacy Protection, Kiel, Germany, "Identification and Tracking of Individuals and Social Networks using the Electronic Product Code on RFID Tags"

Vikas Kumar, Asia Pacific Institute of Management, India, "Implantable RFID Chips: Security versus Ethics"

Workshop 4: "Privacy and identity in Online Social Networks and Communities"

Session Chair: Charles Raab

Stefan Weiss, Goethe University Frankfurt, Germany, "Online Social Networks and the Need for New Privacy Research in Information and Communication Technology"

Kevin Anderson, Australia, "The Absent Identity: Community isolation in an age of information overload"

Kai Kimppa, Pekka Muukkonen, University of Turku, Finland, "Do Online Computer Games Affect the Player's Identity?"

Workshop 5: "Identity Management"

Session Chair: Marit Hansen

Leonardo A. Martucci, Albin Zuccato, Simone Fischer-Huebner, Karlstad University, Sweden, "Identity Deployment and Management in Wireless Mesh Networks"

R. Joosten, S. Joosten, TNO, Netherlands, "Rules for Identity and Access Control"

Xavier Huysmans, KU Leuven, Belgium, "Privacy-friendly Identity Management for eGovernment"

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Mike Bergmann, TU Dresden, Germany, "Automatic Privacy Policy Clustering"

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Workshop 6: "Legal Identity and Identification Aspects"

Session Chair: Mark Gasson

Tom Keenan, University of Calgary, Canada: "When Disclosure Becomes Spam – The Apparent Failure of Well Intentioned Privacy Policies and Legislation and How to Fix Them"

Annemarie Sprokkereef, Leeds University, UK, "Identity in the Information Society: Exploring Legal Approaches to the Use of Biometric Data"

Rasika Dayarathna, Louise Yngström, Stockholm University & KTH, Sweden, "A Methodology for Bridging the Gap between Laywers and Technologists"

Workshop 7: "Privacy-Enhancing Technologies"

Session Chair: Marc van Lieshout

Sebastian Pape, Nabil Benamar, Kassel University, Germany, "Using Identity-Based Public-Key Cryptography with Images to Preserve Privacy"

Giuseppe Bianchi, Csaba Kiraly, Renato Lo Cigno, Simone Teofili, Trento University, Italy, "Traffic Flow Confidentiality in IPsec: Protocol and Implementation"

Christer Andersson, Reine Lundin, Karlstad University, Sweden, "On the Fundamentals of Anonymity Metrics"

Reine Lundin, Stefan Lindskog, Anna Brunstrom, Karlstad University, Sweden, "Analysis of Tunable Anonymity Services"

Workshop 8: "Social and Cultural Aspects of Identity"

Session Chair: Charles Raab

Rowena Rodrigues, University of Edinburgh, "Digital Identity, Anonymity and Pseudonymity in India"

Anna Chernykh, Higher School of Economics, Russia, "The future of identity in the information society"

Véronique Laurent, Namur University, Belgium, "Technology and Social Workers: a question of identities?"

Workshop 9: "Identifiers in eHealth"

Given and chaired by Diane Whitehouse and Penny Duquenoy

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Workshop 10: "Economical and Organisational Identity Aspects"

Session Chair: Leif Bloch Rasmussen

Cristina Denisa Neagu, Al. I .Cuza Iasi University, Romania, "Knowledge based organization - an identification model"

Nouha Taifi, University di Lecce, Italy, "Collaborative Knowledge Networks: Lessons to Learn from a Large Automotive Company"

Workshop 11: "Economical Aspects of Identity Management"

Session Chair: Albin Zuccato

Denis Royer, Goethe University Frankfurt, Germany, "Enterprise Identity Management – What's in it for Corporations"

José M. del Álamo, Universidad Politécnica de Madrid (UPM), Spain, "Leveraging Business Models with Identity Management – An e-Learning Case Study"

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Annex 3: Programme & Organising Committees

Programme Committee Co-Chairs:

Penny Duquenoy (Middlesex University, UK, IFIP WG 9.2 chair)

Simone Fischer-Hübner (Karlstad University, Sweden)

Albin Zuccato (TeliaSonera, Sweden, IFIP WG 9.6/11.7 vice chair)

Programme Committee:

Geoff Busby (British Computer Society, UK)

Brian O'Connell (Central Connecticut State University, USA)

Hans Hedbom (Karlstad University, Sweden)

Günter Karjoth (IBM Research Lab, Switzerland)

David-Olivier Jaquet-Chiffelle, (Berne University of Applied Sciences, Switzerland)

Elisabeth de Leeuw (Ordina, Netherlands, IFIP WG 11.6 chair)

Ronald Leenes (Tilburg University, Netherlands)

Marc Van Lieshout (TNO, Netherlands)

Javier Lopez (University of Malaga, Spain)

Kai Rannenberg (Goethe University Frankfurt, Germany, IFIP WG 9.6/11.7 chair)

Rocío Rueda (Central University Bogotá, Colombia)

Kevin Warwick (University of Reading, UK)

Gunnar Wenngren (AB Wenngrens, Sweden)

Diane Whitehouse (The Castlegate Consultancy, UK)

Louise Yngström (Stockholm University, KTH, Sweden)

Jozef Vyskoc (VaF, Slovakia)

Organising Committee Chair:

Leonardo A. Martucci (Karlstad University, Sweden)

Organising Committee:

Simone Fischer-Hübner (Karlstad University, Sweden)

Hans Hedbom (Karlstad University, Sweden)

Annex 4: List of Participants

Below is given a full list of participants from the FIDIS Summer School event. In all over 55 people were actively involved with the event, representing 20 countries.

Participant	Organisation	
Kevin Anderson	University of Melbourne	Australia
Christer Andersson	Karlstad University	Sweden
Mike Bergmann	Technical University Dresden	Germany
Jacques Berleur	IFIP - University of Namur	Belgium
Martin Boldt	Blekinge Institute of Technology	Sweden
Laurent Bussard	Microsoft	France
Anna Chernykh	Higher School of Economics	Russia
Christian Christensen	Karlstad University	Sweden
Rasika Dayarathna	Stockholm University	Sweden
Jose M. Del Alamo	Universidad Politécnica de Madrid	Spain
Penelope Duquenoy	Middlesex University	UK
Malin Sveningsson Elm	Karlstad University	Sweden
Simone Fischer-Hübner	Karlstad University	Sweden
Les Fraser	CEPIS LSI	UK
Sebastian Gajek	Ruhr University Bochum	Germany
Mark Gasson	University of Reading	UK
Vamsi Krishna Gondi	Universite de Evry	France
Markus Hansen	ICPP	Germany
Marit Hansen	ICPP	Germany
Hans Hedbom	Karlstad University	Sweden
Per Hurtig	Karlstad University	Sweden
Xavier Huysmans	ICRI, K.U.Leuven	Belgium
Rieks Joosten	TNO	Netherlands
Slava Kavsan	Microsoft	USA
Thomas Keenan	University of Calgary	Canada
Kai Kimppa	University of Turku	Finland
Vikas Kumar	Asia Pacific Insitute of Management	India
Véronique Laurent	University of Namur, CITA	Belgium
Ronald Leenes	Tilburg University	Netherlands
Stefan Lindskog	Karlstad University	Sweden
Reine Lundin	Karlstad University	Sweden
Noemi Manders-Huits	Delft University of Technology	Netherlands
Leonardo Martucci	Karlstad University	Sweden
Lorenz Mueller	AXSionics	Switzerland
Pedro Luis Muñoz	Telefonica I+D	Spain
Denisa Neagu	Al I Cuza lasi University	Romania

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Sebastian Pape University of Kassel Germany John Sören Petersson Karlstad University Sweden Charles Raab University of Edinburgh UK Kai Rannenberg Frankfurt University Germany Leif BLoch Rasmussen Copenhagen Business School Denmark UK Rowena Rodrigues University of Edinburgh Denis Royer Frankfurt University Germany FUNDP - CITA Benjamin Six Belgium UK Annemarie Sprokkereef Leeds University and TILT Morton Swimmer **IBM Research** Switzerland Nouha Taifi eBMS-ISUFI- University of Salento Italy Emin Islam Tatli University of Weimar Germany Simone Teofili University of Rome Tor Vergata Italy Netherlands Bibi van den Berg **Erasmus University** Marc van Lieshout TNO Netherlands Stefan Weiss Johann Wolfgang Goethe-University Germany Diane Whitehouse The Castlegate Consultancy UK Anna Wojtas Microsoft **USA** Louise Yngström Stockholm University Sweden Albin Zuccato TeliaSonera Sweden

