

## Two-day doctoral seminar, Monday 23<sup>rd</sup> and Tuesday 24<sup>th</sup> March 2015

Organized by:

Graduate School on Software Systems and Engineering (SoSE)

University of Oulu, Department of Information Processing Science

[www.sose.oulu.fi](http://www.sose.oulu.fi)

### Research Methods in Information Systems

This course will explore a number of research methods that are used in Information Systems related disciplines. The methods chosen reflect the main genres of research approaches and will provide an overview of what the methods are and some examples of how they are used.

Prof. Rudy Hirschheim (RH), Louisiana State University

Prof. Tracy Ann Sykes (TAS), University of Arkansas

Prof. Viswanath Venkatesh (VV), University of Arkansas

The seminar is open for all. Please register in advance: [liisa.kuonanoja@oulu.fi](mailto:liisa.kuonanoja@oulu.fi)

#### Date and venue:

Monday 23<sup>rd</sup> March, 8.15-17.00 classroom IT112

Tuesday 24<sup>th</sup> March, 8.15-11.00 classroom IT112, 11:45-14:15 classroom IT138

The classrooms are at University of Oulu, Ympäristötietotalo, Paavo Havaksentie 3, 90570 Oulu.

#### Preliminary schedule:

##### Monday:

8.15-10.45 Session 1 (RH, TAS, VV)

Lunch

11.45-14.15 Session 2 (RH)

14.30-17.00 Session 3 (TAS)

##### Tuesday

8.15-10.45 Session 4 (VV)

Lunch

11.45-14.15 Session 5 (RH, TAS, VV)

## Sessions:

### 1. *Philosophical foundations of research and methods* (RH, TAS, VV):

What is theory, knowledge, methods; philosophy of science and how that drives method choice

### 2. *Qualitative research* (RH):

Qualitative research methods with examples – description of types of qualitative research methods followed by some examples of research projects using such methods

### 3. *Quantitative research* (TAS):

Quantitative research methods with examples – description of types of quantitative research methods followed by some examples of research projects using such methods

### 4. *Design science research* (VV):

Design science research – description of design science research methods followed by some examples of research projects using such methods

### 5. *Wrap-up* (RH, TAS, VV)

Challenges of using methods, mixed methods research, open microphone

## Speaker bios:



*Dr. Rudy Hirschheim* works as a Professor of Information Systems at Louisiana State University. He is interested in teaching research methods in information systems, philosophical issues and critical analysis of research. His research interests include also outsourcing and management of information systems. He was awarded with the 2012 Best Paper Award by the Journal of the Association of Information Systems for his and Heinz Klein's paper "Glorious and Not-So-Short History of the Information Systems Field".

*Dr. Tracy Ann Sykes* is an Assistant Professor of Information Systems in the Sam M. Walton School of Business at the University of Arkansas. Her research focuses on leveraging social network theory, methods, and analyses to understand technology-related phenomena. Dr. Sykes also works in the contextual areas of organizational and societal diffusion of technologies in developing countries, particularly in India, and e-health related topics. Her work has been published or is forthcoming in leading journals, such as MIS Quarterly, Information Systems Research, and the Journal of Applied Social Psychology.



*Dr. Viswanath Venkatesh* is a Distinguished Professor and the first holder of the George and Boyce Billingsley Chair in Information Systems at the Walton College of Business, University of Arkansas. His research focuses on understanding diffusion of technology in organizations and society. His research has been published in leading information systems, organizational behavior and psychology journals. He has served or is currently serving on the editorial boards of MIS Quarterly, Information Systems Research, Management Science, Production and Operations Management, Journal of the AIS, and Decision Sciences.