# Tallinn University of Technology

**Informed Consent for Participants in Research Projects Involving Human Subjects**

**Title of Project:** Agent-Oriented Methodology for Requirements Engineering of Socio-Technical Systems.

**Doctoral Student:** Msury Mahunnah, Faculty of Information Technology

**Supervisor:** Kuldar Taveter, Faculty of Information Technology

**I. Purpose of this Research Project**

The purpose of this empirical study is to compare the AOM4STS modelling prototype, to the AOM4STS visual stencils for MS Visio, to show if the benefits expected from AOM4STS modelling prototype are also present if used by both unfamiliar and familiar users of AOM4STS methodology, in a realistic environment. Hence, the main factor of both experiments will be the modelling software used: AOM4STS software and MS Visio software, the treatment we want to compare.

**II. Procedures**

The evaluation process includes three parts: (1) training, (2) creation of requirements models, and (3) completing a questionnaire. In the first part, you will learn the basic knowledge of agent oriented modelling for socio-technical systems and the use of both modelling software to be compared. In the second part, you will read the provided materials and use both treatments to create requirements models based on the content of the materials. In the third part, you will complete a questionnaire to present your evaluation, comments, and suggestions about both treatments.

The entire process could be done in approximately 3 hours. The evaluation will be conducted either in a computer laboratory at Tartu University.

**III. Risks**

The risks associated with participation in this study are minimal. The researchers will work to ensure all responses collected through this study are stored securely and remain confidential.

**IV. Benefits**

Your participation in this empirical study provides information that will be used to validate the research results of this project. No guarantee of benefits has been made to encourage you to participate in this study.

**V. Extent of Anonymity and Confidentiality**

The results of this study will be kept strictly confidential. Your written consent is required for the researchers to release any data identified with you as an individual to anyone other than personnel working on the project. The information you provide will have your name removed and only a pseudonym will identify you during analyses and any written reports of the research.

**VI. Compensation**

Your participation is voluntary and unpaid.

**VII. Freedom to Withdraw**

You may withdraw from the research project at any time and for any reason. You are free to not answer any question without penalty. To withdraw, please inform the researchers listed at the bottom of this form.

**VIII. Subject's Responsibilities**

I voluntarily agree to participate in this study. I have the following responsibilities:

I will follow the provided “Guide to the Experiment” to participate in the study.

**IX. Subject's Permission**

I have read the Consent Form and conditions of this project. I have had all my questions answered. I hereby acknowledge the above and give my voluntary consent. Should I have any pertinent question about this research or its conduct, and research subjects' rights, and whom to contact in the event of a research-related injury to the subject, I may contact:

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Subject Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Subject Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_