Is it not delightful to have friends coming from distant quarters? 有朋自遠方來 不亦樂乎

朋あり遠方より来る また楽しからずや

Twenty years with Jean-Pierre

Toru Ishida
Hong Kong Baptist University

The Analects of Confucius



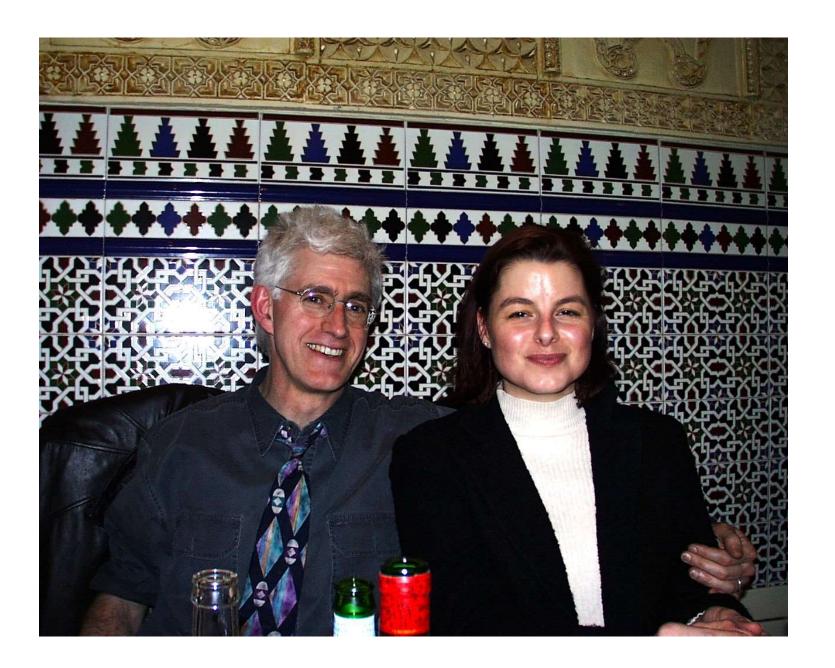
March 2000

Paris



Zahia Guessoum Less and Terry

2000.3





Alexis Drogoul

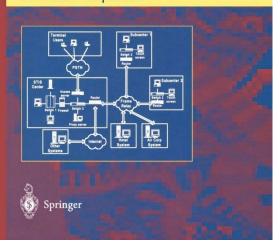
State-of-the-Art Survey

Toru Ishida Katherine Isbister (Eds.)

.NCS 1765

Digital Cities

Technologies, Experiences, and Future Perspectives



AAMAS 2003

Scenario Description for Multi-Agent Simulation

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ABSTRACT

Making it easier to design interactions between agents and humans is essential for realizing multi-agent simulations of social phenomena such as group dynamics. To realize large-scale social simulations, we have developed the scenario description languages Q and IPC (Interaction Pattern Card); they enable experts in the application domain (often not computing professionals) to easily create complex scenarios. We have also established a four-step process for creating scenarios: 1) defining a vocabulary, 2) describing scenarios, 3) extracting interaction patterns, and 4) integrating real and virtual experiments. In order to validate the scenario description languages and the four-step process, we ran a series of evacuation simulations based on the proposed languages and process. We successfully double-check the result of the previous controlled experiment done in a real environment.

Categories and Subject Descriptors

1.2.11 [Artificial Intelligence]: Distributed Artificial Intelligence – multiagent systems.

General Terms

Design, Languages

Keywords

Multi-agent Simulator, Scenario Description, Social Interaction, Evacuation Simulation

1. INTRODUCTION

Various physical models such as the magnetic model and the liquid model have been used to simulate social systems (economic phenomena, traffic flow and so on). With a large number of "entities," those models can produce behaviors that well mirror real situations. However, since there is no difference between the entities, these types of simulations cannot treat "atoms" as

A multi-agent simulation models each individual as an agent instead of modeling them as a physical system. This method has been used to analyze social systems and to synthesize realistic situations. Moreover, once simulators become accessible to humans via the Internet, multi-agent simulations allow humans to join experiments with software agents.

Multi-agent simulations can be applied to various areas, and they are currently being used to simulate social systems like traffic, urban planning, and politics. The evacuation simulation discussed in this paper is another direction [6][9]. When simulating social



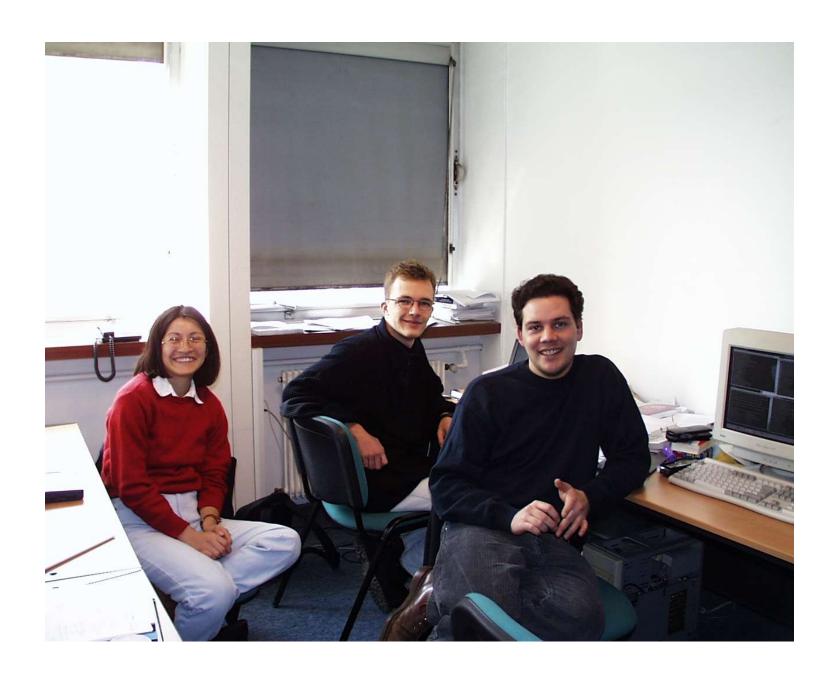
Yohei Murakami

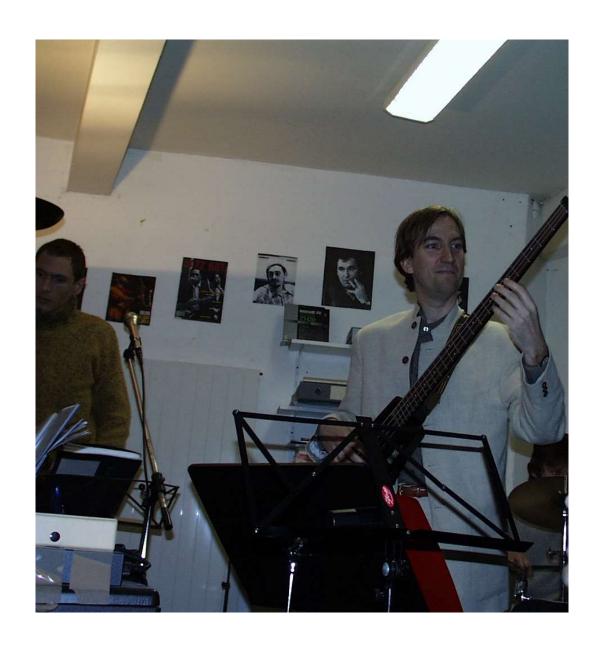
scenarios, extracts interaction patterns, and integrates real world observations with virtual world simulations.

 Validate technologies using real-world problems: We need to validate the scenario description languages and scenario



Jean-François Perrot





March-May 2001

Jean-Pierre in Kyoto

March-May 2001
Visiting researcher, JSPS FY2000 JSPS Invitation Fellowship Program for Research in Japan
Kyoto University, Dept. of Social Informatics
Project: Distributed adaptative agents for communityware



Hirofumi Yamaki



Horyuji

Research Report

JSPS Fellowship for Research in Japan←

« Distributed Adaptive Multi-Agent Systems← for Community-Based Computing »←

Jean-Pierre Briot← LIP6, Paris 6 – CNRS← France←

Prof. Toru Ishida Lab.← **Dept. of Social Informatics**← **Kyoto University**←

11 March - 9 May 2001←

Introduction and background

This report summarizes my research activity during my stay. First, I would like to point out that Prof. Toru Ishida and I have a record of past and prospected cooperation. Prof. Toru Ishida was Visiting Professor at University Paris 6 in my lab during March 2000. We also coarganized a recent France Innan Warbshan on " Distributed Objects and Agents "

Nov 2001-Jan 2002

Jean-Pierre in Kyoto

November 2001–January 2002
Visiting Professor
Kyoto University, Dept. of Social Informatics
Project: Distributed adaptative agents for communityware.



Hiroshi Ishiguro





Takayuki Kanda

Robovie



Shoko Toda

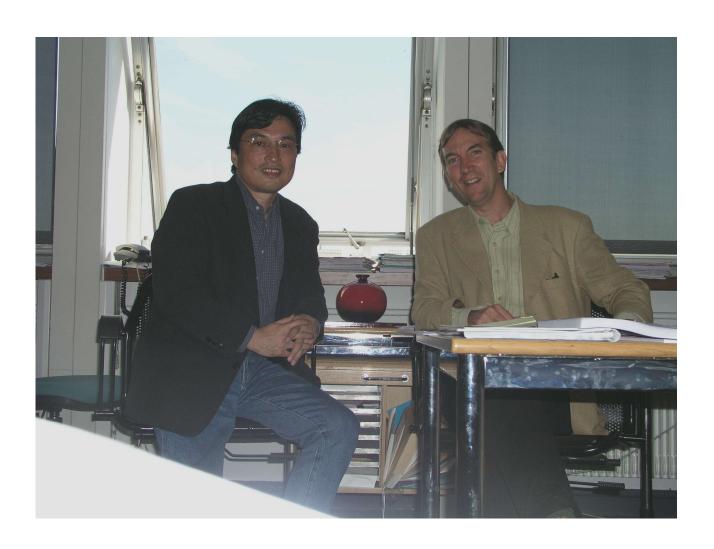
Message to our lab from Jean-Pierre

My regained mindfulness, as I was protected from my home lab daily responsibilities, also helped my return to music. A Jazz band formed by bright young Japanese and French musicians invited me for a gig. The unusual presence of an acoustic bass and an electric bass created a challenge since there is not much written music matching such a configuration. This led me to sketch some music for the occasion – one music named as a tribute to the lab! –, showing again that it is the process that counts, not the result.

I want to thank again Toru my friend, Yohei my angel, Yoko our meta angel, and all the past and present lab members for this wonderful experience. This paved the way for my future projects, about computer support for participatory management of biodiversity resources (Briot *et al.*, 2013) and about deep learning support for music composition and generation (Briot *et al.*, 2018), both benefiting from the pioneering directions developed at Ishida Lab.

August 2003

Paris





Amal El Fallah Seghrouchni

AAMAS 2006

Modeling Agents and Interactions in Agricultural **Economics**

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ABSTRACT

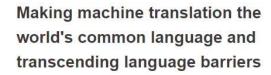
When multiagent simulations are used for consensus building among stakeholders, it is important not only that the domain experts can deeply understand stakeholders' actual behavior but also that the stakeholders can feel the simulation result as their solution. To this end, we propose a modeling methodology which combines several techniques with the participatory method which takes stakeholders into the modeling process using role playing games (RPG).

There are two types of model required to simulate a social system as a multiagent system; agents (internal models) and interactions. Hence, we considered a modeling method according to each character. In modeling an agent (e.g. decision making) which is implicit in human, the identification of the model greatly depends on the modeler's ability. Therefore we propose a modeling method wherein classification learning creates an alternative model from RPG log data for validating the domain experts' hypothesis. On the other hand, in modeling interactions (e.g. negotiation) which are emerged outside of human, it is rather important to show and capture continuously appeared interactions. Therefore we propose a modeling method with participatory simulation where a stakeholder participates as an avatar and agents act as the other stakeholders in order to deeply understand the stakeholders' interactions. Our methodology was ef-

Key mult

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A society where you can communicate with people all over the world in your native language without stress is by no means a fantasy.

The wave of advances in neural network technology, such as image recognition and Go, has reached machine translation, and there has been a dramatic advance in translation accuracy between Japanese and English, which was difficult in the past. We have already realized machine translation with English composition ability of a TOEIC score of 960 level.



August 2014

Rio





Carlos José Pereira de Lucena









Is it not delightful to have friends coming from distant quarters?

有朋自遠方來 不亦樂乎

朋あり遠方より来る また楽しからずや



Twenty years with Jean-Pierre but no joint paper!

As learning advances and cultivation deepens, people with the same aspirations for learning come together from far away to cultivate together.

What fun!

The Analects of Confucius

