Activity-Based Modeling and Simulation Workshop

(ACTIMS 2014)

ITM Web of Conferences Volume 3 (2014)

Zurich, Switzerland
16 – 18 January 2014

Editors:

L. Capocchi **A. Muzy**
R. Castro

ISBN: 978-1-63439-658-5

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571

Some format issues inherent in the e-media version may also appear in this print version.

This work is licensed under a Creative Commons Attribution license:
http://creativecommons.org/licenses/by/2.0/
You are free to:
Share – copy and redistribute the material in any medium or format.
Adapt – remix, transform, and build upon the material for any purpose, even commercial.
The licensor cannot revoke these freedoms as long as you follow the license terms.
Under the following terms:
You must give appropriate credit, provide a link to the license, and indicate if changes were made. You may do so in any reasonable manner, but not in any way that suggests the licensor endorses you or your use. The copyright is retained by the corresponding authors.

Printed by Curran Associates, Inc. (2015)

For additional information, please contact EDP Sciences – Web of Conferences
at the address below.

EDP Sciences – Web of Conferences
17, Avenue du Hoggar
Parc d'Activité de Courtabœuf
BP 112
F-91944 Les Ulis Cedex A
France

Phone: +33 (0) 1 69 18 75 75
Fax: +33 (0) 1 69 28 84 91

contact@webofconferences.org

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2634
Email: curran@proceedings.com
Web: www.proceedings.com

TABLE OF CONTENTS

Using Activity Metrics for DEVS Simulation Profiling 1
A. Muzy, L. Capocchi, J. Santucci
Activity in PythonPDEVS 9
Y. Tendeloo, H. Vangheluwe
An n–th Order Generalization of the Activity Measure for Continuous Systems 19
R. Castro, E. Kofman
A Numerical Study of Quantization-Based Integrators 30
F. Barros
Context and Attention in Activity-based Intelligent Systems 41
S. Mittal, B. Zeigler
Organisms Modeling: The Question of Radial Basis Function Networks 57
A. Muzy, L. Massardier, P. Coquillard
Author Index