

SCSS2016 The 7th International Symposium on Symbolic Computation in Software Science
Ochanomizu University | March 28 - 31, 2016, science bldg. 3, room 701

March 28, 2016 (Monday)	
09:00 ~ 10:30	Registration
10:30 ~ 12:30	Tutorial. Xavier Dahan Topics on multivariate polynomial systems Chair: James Davenport
12:30 ~ 14:30	Lunch
14:30 ~ 16:30	Tutorial. Maplesoft (Takashi Iwagaya and Mikio Nagasawa) Techniques for model distribution, connection and execution Chair: Yoshihiro Mizoguchi
March 29, 2016 (Tuesday)	
09:00 ~ 10:00	Registration
10:00 ~ 11:00	Invited Talk. Peter Paule Symbolic surprises – Unexpected computational findings in combinatorics, number theory, and special functions Chair: Tetsuo Ida
11:00 ~ 11:20	Coffee break
	Session 1 (Algorithms) Chair: Tateaki Sasaki
11:20 ~ 11:50	Tetsuro Yamashita and Xavier Dahan Bit-size reduction of triangular sets in two and three variables
11:50 ~ 12:20	David Cerna, Wolfgang Schreiner and Temur Kutsia Space analysis of a predicate logic fragment for the specification of stream monitors
12:20 ~ 14:30	Lunch
	Session 2 (Geometry) Chair: Kenichi Asai
14:30 ~ 15:00	Mitsuhiro Kondo, Takuya Matsuo, Yoshihiro Mizoguchi and Hiroyuki Ochiai A mathematica module for conformal geometric algebra and origami folding
15:00 ~ 15:30	Pascal Schreck and Pascal Mathis Determining automatically compass and straightedge constructibility in triangles
15:30 ~ 16:00	Phil Scott and Jacques Fleuriot Compass-free navigation of mazes
16:00 ~ 16:20	Coffee break
	Session 3 (Systems) Chair: Temur Kutsia
16:20 ~ 16:50	Satoshi Matsuoka The Proof Net Calculator
16:50 ~ 17:20	Baudouin Le Charlier and Mèton Mèton Atindehou A data structure to handle large sets of equal terms
	Session 1 (continue)
17:20 ~ 17:50	Seyed Hossein Haeri and Sibylle Schupp Expression compatibility problem

March 30, 2016 (Wednesday)	
09:00 ~ 10:00	Registration
	Session 4 (Rewriting) Chair: James Davenport
10:00 ~ 10:30	Mircea Marin, Temur Kutsia and Besik Dundua A rewrite-based computational model for functional logic programming
10:30 ~ 11:00	Takaki Suzuki, Kentaro Kikuchi, Takahito Aoto and Yoshihito Toyama Critical pair analysis in nominal rewriting
	Keynote speaker Chair: James Davenport
11:00 ~ 11:45	Bruno Buchberger The Global Math Digital Library Project: Symbolic Computation and Software Science
11:45 ~ 12:30	Lunch
12:40 ~	Excursion to Kamakura
18:15 ~ 20:15	Banquet

March 31, 2016 (Thursday)	
09:00 ~ 10:00	Registration
10:00 ~ 11:00	Invited Talk. Jacques Fleuriot Chair: Jacques Garrigue Collaborative theorem proving: From symbolic to social computation
11:00 ~ 11:20	Coffee break
	Session 5 (Verification) Chair: Yasuhiko Minamide
11:20 ~ 11:50	Toshiaki Matsushima, Yoshihiro Mizoguchi and Alexandre Derouet-Joudan Verification of a Brick Corner Wang tiling algorithm
11:50 ~ 12:20	Sosuke Moriguchi, Mizuki Goto and Kazuko Takahashi Towards verified construction for planar class of a qualitative spatial representation
12:20 ~ 12:50	Pierre Boutry, Gabriel Braun and Julien Narboux From Tarski to Descartes: Formalization of the arithmetization of Euclidean geometry
12:50 ~ 15:00	Lunch
	Session 6 (Evaluation) Chair: Kazuhiro Yokoyama
15:00 ~ 15:30	Kenichi Asai and Yuki Yoshi Kameyama Automatic staging via partial evaluation techniques
15:30 ~ 16:00	Youyou Cong and Kenichi Asai Implementing a stepper using delimited continuations
16:00 ~	Closing