



THALES WORKSHOP

1 – 3 JULY 2015, ATHENS, GREECE

Wednesday, July 1st

Thursday, July 2nd

Friday, July 3rd

09:00 – 09:45	Registration Poster Session Opening Talks	Poster Session D. Theodorou Entanglements in Molecular Simulations of Polymers	Poster Session P. Stefaneas On Algebraic Modeling of Computational Structures
09:45 – 10:30	Louis H. Kauffman Elements of Khovanov Homology	K. Millett Models of Knotting and Linking in Polymeric Systems	Louis H. Kauffman Chemlambda, universality and self-multiplication
10:30 – 10:50	Coffee break	Coffee break	Coffee break
10:50 – 11:35	L. Paris Word problem for virtual braid groups	E. Panagiotou A study of the entanglement in systems of curves with Periodic Boundary Conditions	K. Ksystra Integrating Athena with CafeOBJ using tool support Y. Kiouvrekis Fixed Point Logics as Institutions
11:40 – 12:25	S. Lambropoulou A new skein invariant for classical links from the Yokonuma-Hecke algebras	D. Tsalikis Threading of ring poly(ethylene oxide) molecules by linear chains or other rings in the melt: molecular dynamics simulations followed by a geometric analysis	N. Triantafyllou Integrating Algebraic specifications with Design by Contract M. Dimarogona (to be confirmed)
12.30 – 13.15	L. Poulain d' Andecy Classification of Markov traces on Yokonuma-Hecke algebras	C. Tzoumanekas Chain Size and Shape Dependence of the Tendency for Entanglement in Linear Polymer Melts	J. Beziau The way to universal logic N. Angius Semantic Theories for Software Systems
13.15 – 14.00	Lunch	Lunch	Lunch
14.00 – 14.20	D. Goundaroulis Framization of the Temperley-Lieb algebra	S. Antoniou Extending topological surgery to natural processes and connecting with the dynamical system	A. Alencar Some Ideas on IT Investment Analysis N. Catano Code Generation of Reactive Systems and Android Apps Modelled in Event-B E. Berki Formal methods and Open Standards

14.25 – 14.45	D. Kodokostas Quotient algebras of mixed braid groups with two fixed strands	N. Vergadou Molecular Simulation of Ionic Liquids: Structure, Dynamics and Permeability Properties	K. Barlas Towards Formal Open Standards: the Case of RSS
14.55– 15.40	M. Chlouveraki Representation theory of framisations of knot algebras	P. Bellingeri On $(p-)$ almost direct products and residual properties of pure braid groups of surfaces	A. Kalampakas (to be confirmed)
15.40 – 16.00	Coffee break	Coffee break	Coffee break
16.00 – 16.45	M. Mroczkowski The HOMFLYPT skein module of the lens spaces $L_{p,1}$	N. Kechagias Infinite loop spaces, Steenrod, Dyer-Lashof and Dickson algebras	R. Diaconescu (to be confirmed) S. Sudoplatov On operators at classes of structures
16.55 – 17.15	B. Gabrovsek The isomorphism function from $S_3(L_{p,1})$ to the free module	A. Kontogeorgis Constructing Class Invariants	
17.25 - 17.45	I. Diamantis The Homflypt skein module of $L(p,1)$ via braids		