

Program

December 2 & 3, INRIA Rocquencourt

Session & Chairman	Applications:	D. Bouskela, EDF	Algorithms:	JP Yvon, INSA Rennes
	Scicos:	R. Nikoukhah, INRIA	Education:	B. Pinçon, ESIAL-IECN
	Large Scale Systems:	E. Segre, Weizmann Institute	Toolboxes 1:	H. Jreij, CRIL Technology
	Industrials Applications:	C. Gomez, INRIA	PDEs:	F. Delebecque, INRIA
	Recent Advances:	J. Masse, Appedge	Toolboxes 2:	M. Goursat, INRIA

Thursday, December 2nd

start	end	session	Jacques Louis Lions lecture room	Alan Turing lecture room	session
08h45	09h10			Registration & Coffee	
09h10	09h30		Opening speech of Dr Maurice Robin, Chairman of Scilab Consortium, and program overview of the day		
09h30	10h00	Plenary Session	ECLIPSE Project – Modeling and simulation of vehicle dynamics and control systems in Scicos -- T Cambois, PSA		
10h00	10h30	A p p l i c a t i o n s	(9) -- Real-time control of a DC motor using Scilab and RTAI -- J. Jugo, Universidad del País Vasco, Bilbao, Spain	(15) -- The TLM method for acoustics : local and distributed implementations in Scilab -- Guillaume Dutilleux & Julien Waechter, Laboratoire Régional des Ponts et Chaussées, Strasbourg	A l g o r i t h m s
10h30	10h45		Coffee Break, showroom (in the Camille Pissarro room)		
10h45	11h15		(1) -- Rapid Control Prototyping with Scilab/Scicos and Linux RTAI -- Roberto Bucher, Scuola Universitaria Professionale della Svizzera Italiana, Lorenzo Dozio & Paolo Mantegazza, Politecnico di Milano Italy	(22) -- Using Scilab to Solve Inverse Problems for Ordinary Differential Equations -- Michel Kern, INRIA	
11h15	11h45		(32) -- Short term control of the cardiovascular system: signal processing approach -- Claire Medigue & Alessandro Monti, INRIA	(3) -- Object-oriented implementation of an automatic differentiation toolkit in a high-level numerical processing functional language -- Benoit Hamelin & Jean-Pierre Dussault, Sherbrooke University, Canada	
11h45	12h15		(33) -- Short term control of the cardiovascular system: Modelling approach -- Karima Djabella & Michel Sorine, INRIA	11 -- Implementation of high order Newton algorithms -- Jean-Pierre Dussault & Benoit Hamelin, Sherbrooke University, Canada	
12h15	13h45		Lunch, showroom (in the Camille Pissarro room)		
13h45	14h15	C A N C E L L E D	Démonstration de la modélisation d'un moteur électrique sous Scicos -- Stéphane Girard, EDF	SCILAB and Capital Normal University -- M. Li Zhiwei, Department of Mathematics, Capital Normal University, Beijing, China	
14h15	14h45		(6) -- Modelling and simulation of a communication chain in Scilab/Scicos environment -- Alan Layec, Raymond Quéré, Jean Christophe Nallatamby, Sébastien Mons and Jacques Guitard, University of Limoges	(5) -- XMLab : un outil générique de simulation basé sur XML et Scilab -- Stéphane Mottelet & André Pauss, Université de Technologie de Compiègne	E d u c a t i o n
14h45	15h15	S c i e n c e s	(13) -- Scicos Implementation of Dynamic Volterra Model -- A. Bennadj, University of Limoges	(24) -- Travaux Pratiques en Traitement de l'Information sous Scilab - Analyse d'un signal d'électromyographie -- Olivier Alata, Université de Poitiers	
15h15	15h45		(29) -- Overview of research activities on the simulation of High frequency devices, circuits and systems using the Scilab/Scicos Environment -- R. Sommet, R. Quéré, E. Ngoya, S. Mons, J.C Nallatamby, T. Reverend	Teaching ODE with Scilab (Enseigner les équations différentielles avec Scilab) -- Gaëtan Sallet, Loria	C A N C E L L E D
15h45	16h15		(4) -- Case Studies of Novel Nonlinear PID Controllers Using SCICOS -- Serge Steer, INRIA & Baogang Hu, Liania China	Scilab à L'École nationale des ponts et chaussées -- M. de Lara & JP Chancelier, ENPC	
16h15	16h30		Coffee Break, showroom (in the Camille Pissarro room)		
16h30	17h00		(7) -- Exemple concret d'utilisation de scilab/scicos pour la conception d'un système complexe et intégré industriel. -- Cyril Davin	(23) -- Mixmod : un logiciel de classification à base de modèles de mélange pour Scilab -- Christophe Biernacki, Gilles Celeux, Gérard Govaert, Florent Langrognet, INRIA CNRS & LMB	T o o l b o x e s
17h00	17h30	L a r g e s s y s t è m e s	(26) -- Scilin : A Scilab Toolbox for large matrices -- Frédéric Guyomarch & Édouard Canot, IRISA-INRIA	(17) -- Grocer 1.0, an econometric toolbox for Scilab: a Scilab point of view. -- Eric Dubois, Direction de la Prévision et de l'Analyse Économique Ministère des Finances	
17h30	18h00	C m a s s i v e	(8) -- Solving the Discrete Poisson Equation with Dirichlet conditions using Multigrid method in Scilab -- Stankova E. N. & Pavlova M. I., Institute of High Performance Computing and Data Bases, St.Petersburg, RUSSIA	(34) -- Wombat: a toolbox to build and optimize a fuzzy regression tree -- X. Le Guillou & P.Y. Glorennec, IRISA	
18h00	18h30	C A N C E L L E D	(16) -- A Scilab Program for Computing Radial Oscillations of Relativistic Stars -- P. J. Papasotiriou, University of Patras, Greece	(21) -- A learning based stochastic modelling toolboxes in Scilab environment. -- Tarik Al-ani & Yskandar Hamam, Laboratoire ACSI-ESIEE & LIRIS - UVSQ	1
18h30	19h00			showroom (in the Camille Pissarro room)	
19h00	21h00			Cocktail-Dinner shuttle	
21h00					

Friday, December 3rd

start	end	session	Jacques Louis Lions lecture room	Alan Turing lecture room	session
08h30	08h50			Registration & Coffee	
08h50	09h00		Program Overview		
09h00	09h45	Plenary Session	(10) -- Scilab for fluid dynamics -- Enrico Segre, Weizmann Institute of science, ISRAEL		
09h45	10h15	A p p l i c a t i o n s	(2) -- CARINS : A versatile and flexible tool for engine transient prediction -- Vincent Leudiere, CNES & John Masse, APPEDGE	(18) -- Scilab tools for PDE's, part 1 -- Bruno Pincon & Karim Ramdani, IECN Nancy	P D E s
10h15	10h45		(20) -- Online machine condition monitoring using Scilab -- Manu Iyengar IDTECT, Jean-Christian Aime, Franck Fugon & Franck Vernerey	(19) -- Scilab tools for PDE's, part 2: Application to time reversal -- Bruno Pincon & Karim Ramdani, IECN Nancy	
10h45	11h00		Coffee Break, showroom (in the Camille Pissarro room)		
11h00	11h30	I n p u t / o u t p u t s	(30) -- METALIDO : une plate-forme logicielle pour étudier l'exploitation des aménagements hydrauliques -- Eric Demay - Jérôme Bonelle (EDF/LNHE)	(25) -- OpenFEM: an opensource finite element toolbox -- Chapelle & al., INRIA	
11h30	12h00	I n t e r o p e r a b i l i t i e s	(27) -- Experiences on the interoperability of Matlab and Scilab: case study -- Gilles Zalamanysky & Bruno Patin, Dassault Aviation	(28) -- Scilab 3.0: an opportunity for the biologist ? -- Jacques-Deric Rouault & Fabrice Cheruel, Université Paris-Sud, Orsay	
12h00	12h30		OASIS : Tool for Statistical Analysis and Simulation -- S Castelani, P Michaud, PSA	(14) -- The Design of a plant tool-box in Scilab based on GreenLab model -- Kang Meng-Zhen, INRIA & Philippe de Reffye, CIRADE	T o o l b o x e s
12h30	14h00		Lunch, showroom (in the Camille Pissarro room)		
14h00	14h30	A d d e v e l o p e m e n t s	(31) -- The new Scicos compiler -- Azzedine Azil, INRIA	Traffic Assignment with Scilab, the CiudadSim toolbox -- P. Lotito, INRIA	
14h30	15h00		Matlab to Scilab conversion tools -- Vincent Couvert, INRIA	(12) -- 'Sciembed' : A contribution for the modelling of experimental data with 'Scilab' -- Jean M. Thiéry	
15h00	15h30		The new graphics -- Fabrice Leray, INRIA		
15h30	16h00	Plenary Session	Wrap-up : Consortium, Scilab 4.0 and open discussion -- Claude Gomez, Chief Technology Officer of Scilab Consortium.	shuttle	
16h00					