

8th Int. ICMAT Summer School on Geometry, Mechanics, and Control- SCHEDULE

La Cristalera, Miraflores de la Sierra, June 30-July 4, 2014.

	30/06/2014	01/07/2014	02/07/14	03/07/2014	04/07/2014
9:00-9:30	OPENING				
9:30-11:00	F. GAY BALMAZ	Y. SURIS	F. GAY BALMAZ	Y. SURIS	J. P. ORTEGA
11:00-11:30	COFFEE	COFFEE	COFFEE	COFFEE/POSTER	COFFEE
11:30-13:00	J. P. ORTEGA	F. GAY BALMAZ	Y. SURIS (11:30-12:30)	J. P. ORTEGA	Y. SURIS
13:30-14:30	LUNCH		EXCURSION	LUNCH	
15:00-16:00	F. GAY BALMAZ	Y. SURIS		F. GAY BALMAZ	
16:00-16:15	COFFEE	COFFEE			
16:15-17:15	J. P. ORTEGA	J. P. ORTEGA			
17:15-18:15	Short talks	Short talks		Special event(17:00)	

COURSES:

François Gay Balmaz, CNRS, Ecole Normale Supérieure - Paris, France: **Applications of geometric mechanics: strands dynamics, constraints, and fluid-structure interaction.**

Juan Pablo Ortega, CNRS, Université de Franche-Comté, France: **Symmetric Hamiltonian Systems. Stability Methods and Applications.**

Yuri B. Suris, Technische Universität Berlin, Germany: **Pluri-Lagrangian systems: variational approach to integrable systems.**

SHORT TALKS:

Monday, June 30, 2014

17:15-17:30 **Hassan Najafi Alishah (Instituto Superior Técnico, Portugal):** Hamiltonian Evolutionary Games.

17:30-17:45 **Marta Kowalczyk (Nicolaus Copernicus University, Poland):** Bifurcations of critical orbits of gradient equivariant equations.

17:45-18:00 **Marta Farré (ICMAT, Spain):** The inverse problem for Lagrangians on a Lie algebroid.

Tuesday, July 1, 2014

17:15-17:30 **Yuri Ashrafyan (Yerevan State University, Armenia):** The inverse Sturm-Liouville problem with fixed boundary conditions.

17:30-17:45 **Miguel Vaquero (ICMAT, Spain):** Reduction of the Hamilton-Jacobi equation.

17:45-18:00 **Natalya Kudryashova (Cambridge Center for Analysis, UK):** Strategic optimisation in the Internet Search Market: Effect of users' dynamics.

First name:	Last name:	Institution:	Country:
Abel	Álvarez Álvarez	University of Oviedo (student)	Spain
alexis	arnaudon	Imperial college london	United Kingdom
Yuri	Ashrafyan	Yerevan State University	Armenia
Prateek	Bansal	University of Texas at Austin	USA
María	Barbero Liñán	Universidad Carlos III de Madrid-ICMAT	Spain
Lucía	Búa	Universidade de Santiago de Compostela (USC)	Spain
Santiago	Capriotti	Universidad Nacional del Sur	Argentina
Ilyes	Chorfi	university of Badji Mokhtar Annaba	Algérie
Leonardo	Colombo	ICMAT	Spain
Francisco	Crespo	Universidad de Murcia	Spain

Manuel	de León	ICMAT	Spain
Ishak	Derrardjia	University of Badji Mokhtar, Annaba, Algeria	Algeria
Viviana Alejandra	Díaz	Universidad Nacional del Sur	Argentina
Marta	Farré	ICMAT	Spain
Marine	Fontaine	University of Manchester	UK
François	Gay-Balmaz		
Xavier	Gracia	UPC	Spain
Lyudmila	Grigorieva		France
Osman	Gursoy	Maltepe University	Turkey
Elisa Lavinia	Guzmán Alonso	ICMAT	Spain
David	Iglesias Ponte	Universidad de la Laguna	Spain
NDEGO	JENIFFER	LAGOS STATE UNIVERSITY TEACHING HOSPITAL	NIGERIA
Fernando	Jiménez	Zentrum Mathematik, Technische Universität München	Germany
Víctor Manuel	Jiménez Morales	ULL (Universidad de La Laguna)	España
Jorge Alberto	Jover Galtier	Universidad de Zaragoza	Spain
Jair	Koiller	INMETRO/Brazil	Brazil

Marta	Kowalczyk	Nicolaus Copernicus University	Poland
Natalya	Kudryashova	Cambridge Center for Analysis	United Kingdom
Juan	Margalef	IEM-CSIC	Spain
Juan Carlos	Marrero González	Universidad de La Laguna	Spain
David	Martín de Diego	ICMAT	Spain
Eduardo	Martinez	Universidad de Zaragoza	Spain
ABDELMALEK	Mohammed	EPSECSG TLEMEN	ALGERIA
Hassan	Najafi Alishah	Instituto Superior Tecnico	Portugal
Clarice	Netto	Universidade Federal Fluminense	Brazil
Juan Pablo	Ortega		
Edith	Padrón	University of La Laguna	Spain
Álvaro	Pelayo	Washington Univ/ICMAT	USA/Spain
Pere Daniel	Prieto Martínez	Universitat Politècnica de Catalunya	Spain
Xavier	Ramos Olivé	Technical University of Catalonia & University of Barcelona	Spain

Xavier	Rivas	UPC	Spain
Daniel	Rodríguez Díaz	University of La Laguna	Spain
Ana	Rojo	Universidad de Zaragoza	Spain
Narciso	Román-Roy	Technical University of Catalonia	Spain
Nasrin	Sadeghzadeh	University of Qom	Iran
Amna	Shaddad	University of Manchester	U.K.
Yuri	Suris		
Miguel	Teixidó-Román	UPC	Spain
Mariusz	Tobolski	University of Warsaw	Poland
Miguel	Vaquero	ICMAT	Spain
Silvia	Vilariño Fernández	Centro Universitario de la Defensa Zaragoza	Spain
Szymon	Wrzesien	University of Warsaw	Poland