

## Program

### Wednesday, 27<sup>th</sup> April

#### 8:30– Welcome and registration

#### 9:15 – Opening Session

#### 9:30 – Recently Solved Problems

Edward Pegg, Wolfram Research

#### 10:30 – Bodies Invisible in Several Directions

Vera Roshchina, CIMA-UE, University of Évora

#### 11:00 – Coffee-Break

#### 11:30 – Fooling around with Stable Marriages

Jorge Buescu, University of Lisbon

#### 12:00 – Syzygies played by elementary school students

Dores Ferreira, University of Minho

#### 12:30 – Vogeler's Diagram and Rational Derived Polynomials

Alda Carvalho, ISEL

#### 13:00 – Break for lunch

#### 14:30 – Juggling: Theory and Practice

Colin Wright, Liverpool Mathematical Society

#### 15:30 – Medieval Problems

Joaquim Eurico Nogueira, New University of Lisbon

#### 16:00 – Coffee-Break

#### 16:30 – The Football Pool Problem

António Machiavelo, University of Oporto

#### 17:00 – Shannon Switching Game and Variants

Ilda Perez, University of Lisbon

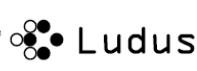
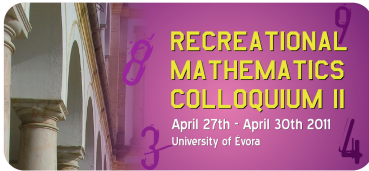
#### 17:30 – A dynamical approach to necklaces and words

Cristina Serpa, University of Lisbon

#### 18:00 – Mathematical Circus

Adelaide Carreira, University of Lisbon

#### 19:00 – 20:00 Welcome Cocktail (Évora Town Hall)



## Thursday, 28<sup>th</sup> April

### 9:30 – Masterclasses and Maths Busking

Sara Santos, Royal Institution of Great Britain

### 10:30 – On a Certain Chaotic Game

Carlos Ramos, University of Évora

### 11:00 – Coffee-Break

### 11:30 – Using Empirical Map Projections for Research, Education and Fun

Joaquim Alves Gaspar, University of Lisbon

### 12:00 – Some Math Problems with Trains and Railways

Hélder Pinto, University of Lisbon

### 12:30 – Predominance Game

Helena Sousa Melo, University of Azores

### 13:00 – Break for lunch

### 14:30 – 0:00 Visit to Vila Viçosa

## Friday, 29<sup>th</sup> April

### 9:30 – Games for Lazy but Intelligent Parents

Richard Nowakowski, Dalhousie University

### 10:30 – The shape of the sound: from bird singing to western music

Carlota Simões, University of Coimbra

### 11:00 – Coffee-Break

### 11:30 – The Mathematics of Cartoons: A Brief Survey

Natália Bebiano, University of Coimbra

### 12:00 – Extreme Alphametics

Michael Keith

### 12:30 – Sangaku

Antonieta Constantino, ES de Miraflores

### 13:00 – Break for lunch

### 14:30 – Magic Show

Lennart Green, World Champion close-up/card Magician



Ludus



AGÊNCIA NACIONAL  
PARA A CULTURA  
CIENTÍFICA E TECNOLÓGICA

**15:30 – Mathematical Quilts**  
Andreia Hall, University of Aveiro

**16:00 – Coffee-Break**

**16:30 – Bocage and Mathematics**  
Filipe Papança, Militar Academy

**17:00 – Five Years of Ludus Association**  
Carlos Pereira dos Santos, ISEC

**17:30 – Leonardo of Pisa (Fibonacci)**  
Keith Devlin, Stanford University

**18:30 – Wine Tasting (Rota dos Vinhos do Alentejo)**

**19:30 – Conference Dinner**

**Saturday, 30<sup>th</sup> April**

**9:30 – What if all middle school mathematics education were presented as recreational mathematics?**  
Keith Devlin, Stanford University

**10:30 – One Notices on the Creation and use of Pedagogical Games in the Mathematics Lessons**  
Ana Júlia Martins, University of Évora and ISEC

**11:00 – Coffee-Break**

**11:30 – Winning Nim with Beatty and Fibonacci**  
Maria Joana Torres, University of Minho

**12:00– Treason Game**  
João Cabral, University of Azores

**12:30 – Slimetrail for the Visual Impaired**  
Carlota Dias, High School Matias Aires

**13:00 – Break for lunch**

**14:30 – The Last Geometric Argument in the History of Pi**  
Carlos Pereira dos Santos, ISEC

**15:30 – Games ClubeMath**  
Maria do Céu Soares, New University of Lisbon

**16:00 – Closing Session**



Ludus



AGÊNCIA NACIONAL PARA A CULTURA CIENTÍFICA E TECNOLÓGICA

	27/04 - Wednesday	28/04 - Thursday	29/04 - Friday	30/04 - Saturday
8:30 - 9:15	Welcome and registration			
9:15 - 9:30	Opening Session			
9:30 - 10:30	Recently Solved Problems Edward Pegg, Wolfram Research	Masterclasses and Maths Busking Sara Santos, Royal Institution of Great Britain	Games for Lazy but Intelligent Parents Richard Nowakowski, Dalhousie University	What if all middle school mathematics education were presented as recreational mathematics? Keith Devlin, Stanford University
10:30 - 11:00	Bodies Invisible in Several Directions Vera Roshchina, CIMA-UE, University of Évora	On a Certain Chaotic Game Carlos Ramos, University of Évora	The shape of the sound: from bird singing to western music Carla Simões, University of Coimbra	One Notices on the Creation and use of Pedagogical Games in the Mathematics Lessons Ana Júlia Martins, University of Évora and ISEC
11:00 - 11:30	Coffee-Break	Coffee-Break	Coffee-Break	Coffee-Break
11:30 - 12:00	Fooling around with Stable Marriages Jorge Buescu, University of Lisbon	Using Empirical Map Projections for Research, Education and Fun Joaquim Alves Gaspar, University of Lisbon	The Mathematics of Cartoons: A Brief Survey Natália Bebian, University of Coimbra	Winning Nim with Beatty and Fibonacci Maria Joana Torres, University of Minho
12:00 - 12:30	Syzygies played by elementary school students Dores Ferreira, University of Minho	Some Math Problems with Trains and Railways Helder Pinto, University of Lisbon	Extreme Alphametics Michael Keith	Treason Game João Cabral, University of Azores
12:30 - 13:00	Vogeler's Diagram and Rational Derived Polynomials Alda Carvalho, ISEL	Predominance Game Helena Sousa Melo, University of Azores	Sangaku Antonieta Constantino, ES de Miraflores	Slimetrail for the Visual Impaired Carla Dias, High School Matias Aires
13:00 - 14:30	Break for lunch	Break for lunch	Break for lunch	Break for lunch
14:30 - 15:30	Juggling: Theory and Practice Colin Wright, Liverpool Mathematical Society	Visit to Vila Viçosa  	Magic Show Lennart Green, World Champion close-up/card Magician	The Last Geometric Argument in the History of Pi Carlos Pereira dos Santos, ISEC
15:30 - 16:00	Medieval Problems Joaquim Eurico Nogueira, New University of Lisbon		Mathematical Quilts Andreia Hall, University of Aveiro	Games ClubeMath Maria do Céu Soares, New University of Lisbon
16:00 - 16:30	Coffee-Break		Coffee-Break	Closing Session
16:30 - 17:00	The Football Pool Problem António Machiavelo, University of Oporto		Bocage and Mathematics Filipe Papança, Militar Academy	
17:00 - 17:30	Shannon Switching Game and Variants Ilda Perez, University of Lisbon		Five Years of Ludus Association Carlos Pereira dos Santos, ISEC	
17:30 - 18:00	A dynamical approach to necklaces and words Cristina Serpa, University of Lisbon		Leonardo of Pisa (Fibonacci) Keith Devlin, Stanford University	
18:00 - 18:30	Mathematical Circus Adelaide Carreira, University of Lisbon		Break-Time	
18:30 - 19:00	Break-Time		Wine Tasting (Rota dos Vinhos do Alentejo)	
19:00 - 19:30	Welcome Cocktail (Évora Town Hall)		Conference Dinner	
19:30 - 20:00				
20:00 - 0:00				