

# PRIMER CONGRESO PREUNIVERSITARIO DE MATEMÁTICAS PROGRAM



9:50 WELCOME



10:00 TALKS

**The Chaesar Cipher.** Victoria Revuelta Herrera, Malena Díaz Blanco and Clara Cortina Pacheco

**Architecture.** Ismael García Hernández, Víctor Sanz Castaño and Jaime Villota Gancedo

**Geometry in Nature.** Pablo Samperio Díez, Álvaro Calderón Cruz, Víctor Gómez Mancebo and Álvaro Peña Gómez

11:00 COFFEE BREAK AND POSTER SESION

**Mathematics in Cinema.** Eva Beglets and Marta Corral Gómez

**The relationship between Maths and Athletics.** Alba Cacho Peláez and Jana Sáiz Ortiz

**Relationship between Maths and Football.** Pablo Díaz Menéndez, Alejandro Llamazares Arroyo and Miguel Alejandro Tovar Bujanda

**The application of Mathematics to Programming.** Lucas García del Moral Márquez

**Relationship between Maths and Swimming.** Lidia Ignea and Paula Magro Gutiérrez

**Relationship between Music and Mathematics.** Adrián López Agenjo and Ángela de Paz Ríos

**The application of Mathematics to Baseball.** Michael Aguirre Dubceac

**Relationship of Dance and Mathematics.** Martina Berzosa Pastore, Daniela Mena Horga and Isabel Rivera Obregón

**The relationship of Basket and Maths.** Marco Concha Ruiz

**Relationship between Maths and Football.** Daniel de la Fuente Torre, Marc Escapa Fernández and Mateo Gómez Limón

**Relationship of Math to Swimming.** Daniela González Secadas and Enrique Muñoz Solano

**The application of the Mathematics to the Video Games.** Patricia Miera Rodrigo and Isabel Patricia Moga

**Mathematics in Music.** Gabriela Casuso Seco and Sara Rivas Iglesias

**Maths in Football.** Darío Gómez Macebo, Manuel Jorrín Prieto and Raúl Sierra Bravo

**Maths in Handball.** Hugo Herrero Baños

**Maths in Videogame Development.** Oscar Herrero Teja

**Maths in Cars.** Daniel Mora Pérez

11:45 TALKS

**Algorithms.** Aroha Oria Suárez, Ana Perona Cachón and Juliette López Gómez

**Number Systems.** Andreas Fernández Gutiérrez, Mario Gómez Iglesias and Laura Gómez Pino