

ANUNCIO DE CICLO CONFERENCIAS***Introduction to Cauchy-Riemann Geometry***

a cargo de

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The study of Cauchy-Riemann, CR in short, manifolds can be sourced back to Poincaré who studied the existence of biholomorphisms between two real hypersurfaces in \mathbb{C}^2 . He proved that, in general, the answer is negative. Thus, a natural question of finding the invariants to distinguish one real hypersurface from another in \mathbb{C}^2 was raised. The question was completely solved by E. Cartan and was generalized by Moser and Chern. In the past few decades, many of mathematical researchers have been devoting the study of CR geometry and the results showed that CR manifolds and their study are indeed much plentiful and lie at the intersection of three mathematical disciplines: the theory of partial differential equations, multivariable complex analysis, and differential geometry. In this mini-course, we will discuss the fundamental tools of studying CR geometry.

Días: Lunes 18, martes 19, miércoles 20, jueves 21 y viernes 22 de febrero de 2019.**Lugar:** Sala de Grados 2, Facultad de Ciencias, Campus de Puerto Real.**Horario:** De 11:00h a 13:30h.**Más información:** <http://c101.uca.es/eventos>**Organiza:** Pr. José M. Espinar, Investigador Ramón y Cajal, Universidad de Cádiz.**Financiación:** Programa Ramón y Cajal - Proyecto 18.IN.RC.1602; Ministerio de Economía y Competitividad - Proyecto MTM2016-80313-P; Programa de Doctorado en Matemáticas; Escuela de Doctorado de la Universidad de Cádiz.