

THE 2010 MCKNIGHT-ZAME LECTURE

UNIVERSITY OF MIAMI
COLLEGE OF ARTS AND SCIENCES
DEPARTMENT OF MATHEMATICS

Richard Schoen

**Bass Professor of Humanities and Sciences
Stanford University**

WILL PRESENT

SPACES OF POSITIVE CURVATURE



MONDAY, February 22, 5:00 PM
COLLEGE OF ARTS AND SCIENCES GALLERY
1210 STANFORD DRIVE, CORAL GABLES, FLORIDA

In 1854 Riemann extended Gauss' ideas on curved geometries from two dimensional surfaces to higher dimensions. Since that time mathematicians have tried to understand the structure of geometric spaces based on their curvature properties. It turns out that basic questions remain unanswered in this direction. In this lecture we will give a history of such questions for spaces with positive curvature, and describe the progress that has been made as well as some outstanding conjectures which remain to be settled.

Dr. Schoen is the Anne T. and Robert M. Bass Professor of Humanities and Sciences at Stanford University. Prior to joining Stanford he held positions at the Courant Institute, UC Berkeley and UC San Diego. He is a member of the National Academy of Sciences and the American Academy of Arts and Sciences. Dr. Schoen is a past recipient of a MacArthur Fellowship, and in 1989 he was awarded the Bôcher Prize by the American Mathematical Society for his resolution of the famous Yamabe problem.

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For more information visit www.math.miami.edu/mz or call Dania Puerto at (305) 284-2575. Parking is available in the Pavia Garage on the Coral Gables campus of the University of Miami.

The Department of Mathematics gratefully acknowledges Dr. Jeffrey Fuqua's support of the McKnight-Zame lecture series.

