

## Department of Mathematics Colloquium

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# Exotic Smooth Structures on $\mathbb{R}^4$



Prof. Robert Gompf  
University of Texas Austin

February 2, 2018  
3:30-4:30pm  
DERR 329

One of the most surprising discoveries in 4-manifold topology was the existence of smooth manifolds homeomorphic, but not diffeomorphic, to Euclidean 4-space. We will survey the subject, from its origin to recent developments regarding symmetries of such manifolds.