

## Peter Hilton Memorial Lecture - 2020

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Postponed due to COVID

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Exotic Smooth Structures on  $S^4$



**Speaker:** Robert Gompf, University of Texas at Austin

**Time:** postponed, TBA

**Location:** Binghamton University, TBA

**Abstract:** One of the most surprising discoveries in 4-manifold topology was the existence of smooth manifolds homeomorphic, but not diffeomorphic, to Euclidean 4-space. For fundamental reasons, this phenomenon can only occur in 4 dimensions. We will survey the subject, from its origin to recent developments regarding symmetries of such manifolds.

The lecture will be followed by a reception at 4:15 p.m. in The President's Reception Room, Anderson Performing Arts Center, Binghamton University. This reception is for the whole Binghamton Mathematics Community as well as for our visitors.

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