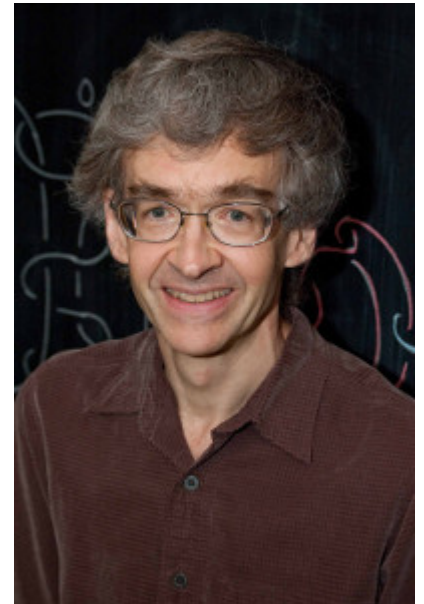


# Peter Hilton Memorial Lecture - 2020

## Cancelled due to COVID

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



**Speaker:** [Robert Gompf](#), University of Texas at Austin

**Time:**

**Location:** Binghamton University,

**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.

From:

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Last update: **2024/02/23 00:42**