



# Colloquium Series

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## An Introduction to Circle Packing

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**Abstract:** A circle packing is an arrangement of circles with a fixed pattern of tangency. Given a tangency pattern, one might ask questions like, "Can I find a circle packing with that tangency pattern?" and "How many such circle packings can I find?" The classical Koebe-Andreev-Thurston Circle Packing Theorem gives an answer to these questions for some classes of circle packings. In my talk, I'll give an introduction to circle packings and discuss the Koebe-Andreev-Thurston Theorem. I'll also talk about more recent results for a broader class of circle packings.

**Keywords:** Topology.

Tuesday October 29th, 12:05 - 12:50pm in 3-1616