

# 平成27年度第6回情報数理学セミナー

日時 : 平成27年6月11日(木) 14:40~16:10  
場所 : 産業科学研究所 管理棟1階講堂

## 特別講演

講師 : Nirattaya Khamsemanan (タイ Thammasat University ・ 准教授)

講演題目 : Managing Data with Mathematics

アブストラクト : For most people, Mathematics seems too abstract and far removed from their everyday lives and too complicated to understand. On the contrary, Mathematics is beautiful and everywhere. I have been mathematically trained in the field of Algebraic Topology, specifically Fixed Point Theory. Topology is a branch of pure Mathematics, related to Geometry, that studies properties and shapes of objects and spaces. Recently my research focuses on applying concepts and tools in Mathematics, especially, Topology to manage various types of data. In this talk, I will show how I apply my topological background to study shapes of real-world data such as Anti-malarial drugs compounds. I will also talk about a new Inductive Logic Programming (ILP) tool that we have developed based on the concept of "distance" in Topology.