

Computer Science Seminar

Introduction to Category Theory

Dr. George Markowsky

Missouri S&T



Category Theory was introduced by Eilenberg and MacLane in the 1940s to help understand algebraic topology. For many years after, Category Theory was commonly referred to as the “Theory of Abstract Nonsense” by many mathematicians. Over the years, however, Category Theory has continued to evolve to the point that it provides a useful foundation for important concepts in computer science in such areas as the design of programming languages. This talk will provide an introduction to Category Theory and discuss some of its applications to Computer Science.

Bio: Dr. George Markowsky earned a BA in mathematics at Columbia University and an MA and PhD in mathematics at Harvard University. He is currently Chair of the Computer Science Department at S&T. Before coming to S&T, Dr. Markowsky worked at the IBM T. J. Watson Research Center and at the University of Maine where he served as Chair of the Computer Science Department and Associate Director of the School of Computing and Information Science.

Date: April 2, 2018

Time: 10:00 am - 10:50 am

209 Computer Science Building

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