

## Using SD in the Legal Arena: A modeller's and lawyer's perspective

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Over the last 40 years System Dynamics (SD) has been used in a number of legal disputes. In most cases SD has been used to support understanding and quantification of the causes of excessive time and cost overruns on design/construction projects. The presenters have both been involved in legal disputes where SD has been used as key evidence to support a claimant's case. This presentation will discuss the use of SD in the legal arena from both a modeller's and lawyer's perspective, highlighting benefits of its use as well as some of the challenges that SD models face.

**Professor Susan Howick** is a Professor of Management Science at the University of Strathclyde. Her main research interest lies in taking a systems perspective when using models to support decision-makers. She has developed approaches to systemic risk evaluation and modelled highly disrupted projects to understand the causes of project failure. She is also interested in exploring approaches to integrating models that promote client value from the modelling process. Her consultancy experience includes projects for Bombardier, Strathclyde Police, Reed Elsevier, PriceWaterhouse Coopers, Scottish and Southern Energy.

**Ralph Goodchild** from White & Case is an associate in the International Arbitration and Construction and Engineering practice groups. He has represented clients from a range of sectors in a wide variety of litigation and arbitration proceedings. Ralph has a particular focus on international construction and engineering disputes.