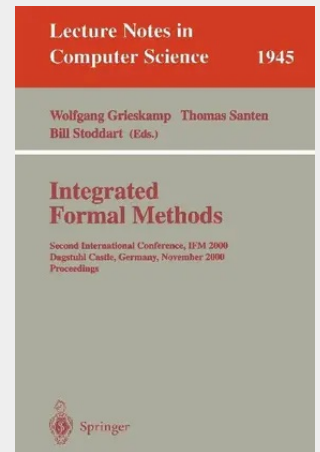


Integrated Formal Methods

Second International Conference, IFM 2000, Dagstuhl Castle, Germany, November 1-3, 2000 Proceedings

IFM 2000, the second in a series of international conferences on Integrated Formal Methods, was held at the 18th-century chateau of Schloss Dagstuhl, Saarland, Germany, from the 1st to the 3rd of November 2000. The conference programme consisted of invited talks from Sir Tony Hoare FRS and Wolfram Schulte, along with 22 papers selected from 58 submissions. Applying formal methods may involve the modelling of different aspects of a system that are expressed through different paradigms. This motivates us to research the combination of different viewpoints of a system, either by the creation of hybrid notations, by extending existing notations, by translating between notations, or by incorporating a wider perspective with the innovative use of an existing notation. The integration of formal methods promises great benefits to systems modelling and software development. Regardless of the approach taken, however, significant issues can arise in areas such as semantic integration, the tractability of our notations, the integration of tool support, the integration of proof systems, consistency, and completeness. Issues arise equally in our conceptualisation of systems at different levels of abstraction and the development of these conceptualisations through the process of refinement.

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