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Temporal, Spatial, and Spatio-Temporal Data Mining

First International Workshop, TSDM 2000
Lyon, France, September 12, 2000
Revised Papers



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Foreword

This volume contains updated versions of the ten papers presented at the First International Workshop on Temporal, Spatial and Spatio-Temporal Data Mining (TSDM 2000) held in conjunction with the 4th European Conference on Principles and Practice of Knowledge Discovery in Databases (PKDD 2000) in Lyons, France in September, 2000.

The aim of the workshop was to bring together experts in the analysis of temporal and spatial data mining and knowledge discovery in temporal, spatial or spatio-temporal database systems as well as knowledge engineers and domain experts from allied disciplines. The workshop focused on research and practice of knowledge discovery from datasets containing explicit or implicit temporal, spatial or spatio-temporal information.

The ten original papers in this volume represent those accepted by peer review following an international call for papers. All papers submitted were refereed by an international team of data mining researchers listed below. We would like to thank the team for their expert and useful help with this process. Following the workshop, authors were invited to amend their papers to enable the feedback received from the conference to be included in the final papers appearing in this volume. A workshop report was compiled by Kathleen Hornsby which also discusses the panel session that was held.

In late 1998, a bibliography of temporal, spatial and spatio-temporal data mining research papers was compiled by John Roddick and Myra Spiliopoulou and published in SigKDD Explorations. Following the dramatic increase in interest in this area over the past few years, it was decided that an update to this bibliography was warranted and should be included in this volume.

It is our contention that temporal, spatial and spatio-temporal data mining holds many promises. We hope this volume, as well as the TSDM Workshop series, is useful in adding to the body of knowledge in this area.

January 2001

John F. Roddick
Kathleen Hornsby

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