List of Contributions

The list below, where the numbers correspond to chapters, gives for each chapter the contribution on which it is based. The contributions have generally undergone only minor editing in their transformation to chapters; in the few cases were the original contributions have undergone substantial editing, this editing is described here.

The terminology in the temporal database community has evolved somewhat during the eight-year period covered by the contributions. In the transformation to chapters, no attempts were made to modify the terminology originally used. The chapters explain their terminology, and no confusion should occur. Reference [29] in Chapter 1 offers a consensus glossary of terminology.

1. This first chapter, “Introduction to Temporal Database Research,” has been written to serve as a brief introduction to the area covered by the publication. I have reused some material, in edited form, from a joint paper with Richard T. Snodgrass (“Temporal Data Management,” IEEE Transactions on Knowledge and Data Engineering, Vol. 11, No. 1, January/February 1999, pp. 36–44). The present chapter reflects consistently my personal views and preferences regarding the subject matter, and should be considered as new.


Because Section 3 of this paper concerns temporal database design, which is covered separately in Part IV, that section has been omitted from the chapter, and the chapter has been revised to reflect this omission.


TSQL2 adopted as its data model a previously proposed conceptual model, presented in detail in Chapter 6. To avoid overlap with this chapter, Sections 10.5.3 and 10.6–10.8 of the present contribution are omitted from Chapter 12, which is based on the present contribution. In addition, mainly parts of the introduction and summary have been revised to reflect these omissions.


