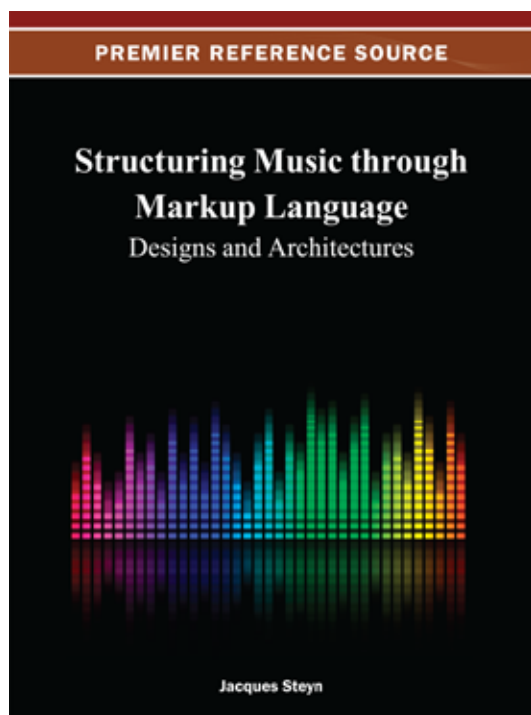


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Structuring Music through Markup Language: Designs and Architectures



Jacques Steyn (Monash University, Australia)

Although there have been two main perspectives on the nature of music through systematic and cultural musicology, music informatics has emerged as an interdisciplinary research area which provides a different idea on the nature of music through computer technologies.

Structuring Music through Markup Language: Designs and Architectures offers a different approach to music by focusing on the information organization and the development of XML-based language. This book aims to offer a new set of tools on for practical implementations and a new investigation into the theory of music.

Topics Covered:

- Cultural Music Systems
- Encoding of Musical Interaction
- Information Architecture of Music
- MusicXML
- Ontologies and Metadata
- Physics of Music
- Universal Music Mark-up Language

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Jacques Steyn is the Head of School of IT at Monash University's South African campus, member of ACM, AIS, IEEE, and Director of IDIA. He currently works in the fields of Development Informatics and Music Informatics. Previously, he was associate Professor in multimedia at the University of Pretoria. In 1999, he developed a generic XML-based markup language for music (MML). He was also a member of the ISO/MPEG-4 extension workgroup for music notation (i.e. symbolic music representation). In the field of Development Informatics, he was Editor-in-Chief of a book set on theory and practice. He composed and performed in various genres ranging from blues, rock, and jazz to music theatre.

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