



Foundations of the Information Sciences

# Introduction to Knowledge Organization

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List price £55.00

Product Details

Format: Paperback

ISBN: 9781783304653

Published: 15th Jul 2020

Publisher: Facet Publishing

Dimensions: 234mm x 156mmmm

Series: [Foundations of the Information Sciences](#)

## Description

This book provides a complete introduction to the rapidly expanding field of Knowledge organization (KO), presenting historical precedents and theoretical foundations in a discursive, intelligible form, covering the philosophical, linguistic and technical aspects. In the contemporary context of global information exchange through linked data, Knowledge organization systems (KOS) need to be represented in standard inter-operable formats. Different formats for KOS representation including MARC, Dublin Core, SKOS and OWL are introduced as well as the application of Knowledge organization to a variety of activities and contexts: education, encyclopedic knowledge, the Internet, libraries, archives, museums, galleries and other institutions collecting and providing access to recorded knowledge.

Key coverage includes:

- ontology and epistemology in KO
- KO structures: lists, hierarchies, facets...
- KO types: tagging, taxonomies, thesauri, classifications...
- conceptual analysis of documents
- applications in the digital age.

Covering theoretical and practical aspects of KO and using real-life examples to illustrate its application, this book will be a valuable resource for students, researchers and practitioners of Knowledge organization, information organization, cataloguing and classification.

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### Author

**Claudio Gnoli** is an academic librarian and researcher in knowledge organization at the University of Pavia, Italy. His work focuses on Knowledge organization theory and KO systems - especially faceted classification schemes - and their application to digital information systems. He is co-author of *Interdisciplinary Knowledge Organization* with R. Szostak and M. Lopez-Huertas (2016), co-editor of the *ISKO Encyclopedia of Knowledge Organization* and author of numerous journal articles, conference

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proceedings and four Italian-language titles. He is a member of the Scientific Advisory Council of the International Society for Knowledge Organization, and he serves on the editorial board of the Basel Register of Thesauri, Ontologies & Classifications (BARTOC).