Interdisciplinary Perspectives on Contemporary Conflict Resolution

Part of the Advances in Linguistics and Communication Studies Book Series

Paulo Novais (University of Minho, Portugal) and Davide Carneiro (University of Minho, Portugal)

Description:

Since the dawn of human speech and interaction, there have been conflicts among individuals, regions, and whole nations. Disagreements, miscommunications, no matter the name they take conflicts will continue to be present in every field of work or study. New technologies such as social media have extended people’s ability to communicate, and therefore dispute, making additional research and practical solutions for resolving conflict all the more necessary.

Interdisciplinary Perspectives on Contemporary Conflict Resolution presents theoretical perspectives on the causes of diverse conflicts, approaches novel disputes and the technology associated therein, and provides readers with multifaceted solutions to the myriad of potential arguments and disagreements that arise as part of the human condition.

Readers:

This interdisciplinary publication is a critical resource for researchers, legal practitioners, policy makers, government officials, and students and educators in the fields of political science, communication studies, and business.


Topics Covered:

- Agreement Technologies
- Data Protection
- E-Government Conflict Resolution
- Environmental Conflicts
- Online Argumentation
- Online Dispute Resolution
- Organizational Conflict
- Quality of Judgement
- Restorative Justice

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Section 1: About Conflicts

Conflicts occur naturally in virtually every domain of our existence and every reader for sure had, by this time, their fair share of conflicts. The first section of this book will analyze fundamental issues about conflicts, their diversity, their emergence and their resolution.

Chapter 1
Conflict and its Different Dimensions
Marco Gomes, University of Minho, Portugal
Paulo Novais, University of Minho, Portugal

Chapter 2
Biometrics and Data Protection: These data are derived from an individual
Francisco Andrade, Universidade de Minho, Portugal
Teresa Moreira, Universidade de Minho, Portugal

Section 2: Conflict and Its Resolution

As technology and society progress, new types of conflict emerge and their complexity increases. Fortunately, this evolution also results in new approaches for solving conflicts, and new supporting technologies, both for judicial and extrajudicial conflict resolution processes. This section deals with classic and novel methods and technologies for conflict resolution.

Chapter 6
Quality of Judgment Assessment
José Nires, Universidade de Minho, Portugal
John Zeleznikow, Victoria University, Australia
Henrique Vicente, Universidade de Évora, Portugal

Chapter 7
Alternative Dispute Resolution in Civil and Commercial Matters in the European Union
Marco González, Universidade de Minho, Portugal

Chapter 8
Online dispute resolution for consumer in Portugal and in the European Union: The future platform for online dispute resolution
Fernando Viana, Centro de Informação, Mediação e Arbitragem de Conflitos de Consumo, Portugal
Francisco Andrade, Universidade de Minho, Portugal

Section 3: Applications for Conflict Resolution

As shown in Sections 1 and 2 of this book, conflicts are virtually everywhere. This undoubtedly calls for interdisciplinary approaches for not only perceiving and modeling conflicts as already addressed but most of all for solving these conflicts. This section describes new processes for solving new forms of conflict that emerged in the recent years as a result of an unprecedented technological and social evolution.

Chapter 12
Intelligent tutoring: Active monitoring and recommendation
Manuel Rodrigues, ESTG, Portugal
Sergio González, University of Vigo, Spain
Ricardo Santos, ESTG, Portugal
Florentino Edez-Rivera, University of Vigo, Spain
Davide Carneiro, University of Minho, Portugal

Chapter 13
Real-Time Detection of Pedestrians: A Comparison of Three Segmentation Algorithms in Infrared Video
Antonia Fernández-Caballero, Universidad de Castilla-La Mancha, Spain
Juan Serrano-Cuerda, Universidad de Castilla-La Mancha, Spain

Chapter 14
Conflict Resolution with Agents in Smart Cities
Pablo Chamou, University of Salamanca, Spain
Fernando De la Prieta, University of Salamanca, Spain
Javier Bajo Pérez, Polytechnic University of Madrid, Spain
Alberta Pérez, University of Salamanca, Spain

Chapter 15
Conflict Resolution in Robotics: An Overview
Ester Martinez-Martín, Jaume I University, Spain
Angel del Pobil, Jaume I University, Spain

Chapter 16
Crowdsourcing Dispute Resolution: Survey and Challenges
Nuno Luz, School of Engineering - Polytechnic of Porto, Portugal
Marta Poblete, RMIT University, Australia
Nuno Silva, School of Engineering - Polytechnic of Porto, Portugal

Chapter 17
Managing conflicts in e-learning environments
Tomás Martínez, Granada University, Spain
Dulce Durães, Secondary School of Caldas Taipas, Spain
Francisco Lucoa, Granada University, Spain
José de la Guardia, Bizkaia International University, Spain

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About the Contributors

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Paulo Novais is an Associate Professor with Habilitation of Computer Science at the Department of Informatics, in the School of Engineering of the University of Minho (Portugal) and a researcher at the ALGORITMI Centre in which he is the coordinator of the research group Intelligent Systems Lab, and the coordinator of the research line in “Ambient intelligence for well-being and Health Applications”. From the same university he received a PhD in Computer Science in 2003 and his Habilitation in Computer Science in 2011. He started his career developing scientific research in the field of Intelligent Systems/Artificial Intelligence (AI), namely in Knowledge Representation and Reasoning, Machine Learning and Multi-Agent Systems. His interest, in the last years, was absorbed by the different, yet closely related, concepts of Ambient Intelligence, Ambient Assisted Living, Intelligent Environments, AI and Law, Conflict Resolution and the incorporation of AI methods and techniques in these fields. His main research aim is to make systems a little more smart, intelligent and also reliable. He has led and participated in several research projects sponsored by Portuguese and European public and private Institutions and has supervised several PhD and MSc students. He is the co-author of over 230 book chapters, journal papers, conference and workshop papers and books. He is the president of APPIA (the Portuguese Association for Artificial Intelligence) for 2016/2017 and member of the executive committee of the IBERAMIA (IberoAmerican Society of Artificial Intelligence). During the last years he has served as an expert/reviewer of several institutions such as EU Commission and FCT (Portuguese agency that supports science, technology and innovation).