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Sommario/riassunto	Information Technology for Peace and Security IT Applications and Infrastructures in Conflicts, Crises, War, and Peace Technological and scientific progress, especially the rapid development in information technology (IT) and artificial intelligence (AI), plays a crucial role regarding questions of peace and security. This textbook, extended and updated in its second edition, addresses the significance, potential of IT, as well as the challenges it poses, with regard to peace and security. It introduces the reader to the concepts of peace, conflict, and security research, especially focusing on natural, technical and computer science perspectives. In the following sections, it sheds light on cyber conflicts, war and peace, cyber arms control, cyber attribution, infrastructures, artificial intelligence, as well ICT in peace and conflict.

Content Introduction to Peace Informatics as well as Technical Peace Research Cyber War, Information Warfare, Espionage, Defence, Darknets Cyber Peace, Dual-Use, Confidence and Security Building Measures, Arms Control, Verification, Attribution Critical Infrastructures, Artificial Intelligence, Unmanned Systems, Cultural Violence, Peace Interventions, Digital Peacebuilding Target Audience Textbook for students of Computer Science, IT Security, Peace and Conflict Studies, and Political Science Handbook for scientists, IT developers, and political advisors The Editor Prof. Dr. Dr. Christian Reuter is Full Professor of Computer Science at Technical University of Darmstadt. His chair for Science and Technology for Peace and Security (PEASEC) combines computer science with peace and security research. He holds doctoral degrees in Information Systems (University of Siegen) and in Security Policy (Radboud University Nijmegen) and has published around 400 publications in the field. .
