

1. Record Nr.	UNISA996546838503316
Autore	Tan Xu
Titolo	Neural Text-to-Speech Synthesis [[electronic resource] /] by Xu Tan
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2023
ISBN	9789819908271 9789819908264
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (214 pages)
Collana	Artificial Intelligence: Foundations, Theory, and Algorithms, , 2365-306X
Disciplina	006.54
Soggetti	Natural language processing (Computer science) Speech processing systems Signal processing Machine learning Artificial intelligence Natural Language Processing (NLP) Speech and Audio Processing Machine Learning Artificial Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1. Introduction -- Part 1. Preliminary -- Chapter 2. Basics of Spoken Language Processing -- Chapter 3. Basics of Deep Learning -- Part 2. Key Components in TTS -- Chapter 4. Text Analyses -- Chapter 5. Acoustic Models -- Chapter 6. Vocoders -- Chapter 7. Fully End-to-End TTS -- Part 3. Advanced Topics in TTS -- Chapter 8. Expressive and Controllable TTS -- Chapter 9. Robust TTS -- Chapter 10. Model-Efficient TTS -- Chapter 11. Data-Efficient TTS -- Chapter 12. Beyond Text-to-Speech Synthesis -- Part 4. Summary and Outlook -- Chapter 13. Summary and Outlook.
Sommario/riassunto	Text-to-speech (TTS) aims to synthesize intelligible and natural speech based on the given text. It is a hot topic in language, speech, and machine learning research and has broad applications in industry. This book introduces neural network-based TTS in the era of deep learning,

aiming to provide a good understanding of neural TTS, current research and applications, and the future research trend. This book first introduces the history of TTS technologies and overviews neural TTS, and provides preliminary knowledge on language and speech processing, neural networks and deep learning, and deep generative models. It then introduces neural TTS from the perspective of key components (text analyses, acoustic models, vocoders, and end-to-end models) and advanced topics (expressive and controllable, robust, model-efficient, and data-efficient TTS). It also points some future research directions and collects some resources related to TTS. This book is the first to introduce neural TTS in a comprehensive and easy-to-understand way and can serve both academic researchers and industry practitioners working on TTS.

2. Record Nr.

Autore

UNINA9910786762203321

Titolo

Habeck Mary R.

Storm of steel : the development of armor doctrine in Germany and the Soviet Union, 1919-1939 / / Mary R. Habeck

Pubbl/distr/stampa

Ithaca, New York : , : Cornell University Press, , 2003

©2003

ISBN

0-8014-7138-9

1-322-52224-3

0-8014-7139-7

Descrizione fisica

1 online resource (335 p.)

Collana

Cornell Studies in Security Affairs

Disciplina

358/.18/094309041

Soggetti

Tank warfare

Military doctrine - Germany - History - 20th century

Military doctrine - Soviet Union - History - 20th century

Lingua di pubblicazione

Inglese

Formato

Materiale a stampa

Livello bibliografico

Monografia

Note generali

Includes index.

Nota di bibliografia

Includes bibliographical references and index.

Nota di contenuto

Frontmatter -- Contents -- Introduction -- 1. The Unfinished Machine, 1919-1923 -- 2. Materiel or Morale? The Debate over the Mechanization of Warfare, 1923-1927 -- 3. Technology Triumphant

**Sommario/riassunto**

In this fascinating account of the battle tanks that saw combat in the European Theater of World War II, Mary R. Habeck traces the strategies developed between the wars for the use of armored vehicles in battle. Only in Germany and the Soviet Union were truly original armor doctrines (generally known as "blitzkrieg" and "deep battle") fully implemented. *Storm of Steel* relates how the German and Soviet armies formulated and chose to put into practice doctrines that were innovative for the time, yet in many respects identical to one another. As part of her extensive archival research in Russia, Germany, and Britain, Habeck had access to a large number of formerly secret and top-secret documents from several post-Soviet archives. This research informs her comparative approach as she looks at the roles of technology, shared influences, and assumptions about war in the formation of doctrine. She also explores relations between the Germans and the Soviets to determine whether collaboration influenced the convergence of their armor doctrines.

3. Record Nr.	UNINA9911019644203321
Autore	Gibson G. R
Titolo	Prebiotics : development & application / / G.R. Gibson and R.A. Rastall
Pubbl/distr/stampa	Chichester, England ; ; Hoboken, NJ, : John Wiley & Sons, c2006
ISBN	9786610448784 9781280448782 1280448784 9780470023150 0470023155 9780470023143 0470023147
Descrizione fisica	1 online resource (266 p.)
Altri autori (Persone)	Rastall R. A
Disciplina	616.9/201
Soggetti	Prebiotics Bacteria - Health aspects Colon (Anatomy) - Microbiology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Prebiotics: Development & Application; Contents; List of Contributors; 1 Human Colonic Microbiology and the Role of Dietary Intervention: Introduction to Prebiotics; 2 Manufacture of Prebiotic Oligosaccharides; 3 Inulin-type Fructans as Prebiotics; 4 Galacto-oligosaccharides as Prebiotics; 5 Emerging Prebiotic Carbohydrates; 6 Molecular Microbial Ecology of the Human Gut; 7 Dietary Intervention for Improving Human Health: Acute Disorders; 8 Dietary Intervention for Improving Human Health: Chronic Disorders; 9 Extra Intestinal Effects of Prebiotics and Probiotics 10 Prebiotic Impacts on Companion Animals 11 Prebiotics: Past, Present and Future; Index
Sommario/riassunto	The prebiotic concept works on the basis that many potentially health-promoting microorganisms are already present in humans. Prebiotics are non-digestible food ingredients that stimulate activity in targeted microorganisms, to improve the health of the individual. Prebiotics can

be incorporated into many foodstuffs such as beverages, health and sports drinks, infant formulae, cereals, bread, savoury products and so forth, and are receiving much commercial interest. Prebiotics: Development and Application is the first book to consolidate research in this emerging area of 'functional f

---