Table of Contents

The Global Histor Techniques	ry of Techniques and the Globalization of the History of	
	NO, Liliane HILAIRE-PÉREZ and Jérôme LAMY	11
	Part 1	
	Techniques Across the World	
Introduction	Ar Bank Ludar II.	
Liliane HILAIRE-P	ÉREZ	29
From the 'Stone A Historiography (Marie Durand	ge' to the Digital Era. Techniques in Oceania: A Brief Nineteenth to Twenty-First Centuries)	
		43
The Middle East in Crossroads of Tec Elisabeth MORTIER	n the Nineteenth and Twentieth Centuries. At the hnological Continuity and Sudden Western Modernity	69
The Integration Pr and the Desire to D Yamina BETTAHAR	rocess of Science and Technology, between Dependence Innovate. The Case of Maghreb	83
About Global Hist		03
Francesca Bray, Al	eksandra Kobiljski	99
Digital Age	ory of Technology in India. From the Colonial Era to the	
Dhruv RAINA, OMI	prasad, Nayani Sarma	117
African Technolog Joshua Grace	gical Pasts Since 1800	135
Central Europ		133
Present Day. Instit	Historical Writing on Technology, from 1945 to the tutional Contexts and Directions of Research	
Jawad DAHEUR		161

6 TABLE OF CONTENTS

Pluralizing 'Eurocentric' Technology Discourses 'Back Home'. Technology and Societal Challenges in Western Europe Erik van der Vleuten

The Achilles Heel of a Big Player. Technology and Modernity in the Russian Empire, the Soviet Union and Russia (Nineteenth to Twenty-First Centuries) Elena KOCHETKOVA, Julia OBERTREIS

179

195

219

235

Technology in North America. Nation Building, Industrialization, and Technoscience Jérôme BAUDRY

Latin America in the Global History of Technology David PRETEL

Part 2

Artefacts, Processes, Sectors

Introduction	
Guillaume Carnino	255
Technology and its Temporalities, a Global Perspective	
Jonas van der Straeten, Heike Weber	261
Prospecting, Extracting, and Post-mining Techniques in the	
Anthropocene Era Kevin Troch	281
Heavy Industries. From Steel and Molecules to the Cloud Florence Hachez-Leroy	297
Energy in the History of Technology	
Anaël Marrec, Mahdi Khelfaoui	315
Aeronautics and Aerospace. Globalization and Technical Junctions	
Jérôme Lamy, Arnaud Saint-Martin	337
Mobility Techniques. Between Globalization and Local Solutions	
Arnaud Passalacqua	351
Sailing and Fishing. When Technical Innovation Reshaped the Seas	
Géraldine Barron, Julia Lajus	363

Hydraulic Technology in the Nineteenth and Twentieth Centuries. Water Harnessed by Industry	
Raphaël Morera, Élisabeth Mortier	379
Food Technology, Food Preservation, Packaging, and Transport	
Ludovic LALOUX	
Agricultural Techniques. Four Examples of Transformations from the Nineteenth to the Beginning of the Twenty-First Century	
Fabien KNITTEL	403
Global Telecommunication Technologies from the Nineteenth to the Twenty-First Centuries. Electrifying Information	
Vincent Kuitenbrouwer	415
From Calculators to Data Centres. The History of Industrial Computing and Quantification	
Guillaume CARNINO	429
From Banking Computerization to FinTech. The Digital Revolution in Banking (1950s-1990s)	
Sabine Effosse, Laure Quennouëlle-Corre	445
Civil Engineering and Construction. Two Centuries of Technical Progress Dominique Barjot	455
The Factory of Desire. Textiles and Techniques (Nineteenth to Twenty- First Centuries)	
Audrey MILLET	481
Part 3	
Connections	
Introduction Jérôme Lamy	497
Technology as a Human Science Liliane HILAIRE-PÉREZ	501
	501
Laboratory Techniques Joris Mercelis	517
Big Science and Technological Transformations Olof Hallonsten	533

TABLE OF CONTENTS

Technique and Law Alessandro NUVOLARI, Caterina SGANGA	545
	545
Technical Training and Education since the Nineteenth Century Stéphane Lembré	563
War and Technology from 1800 to Globalization. Prometheus Unbound Patrice Bret	581
Taylorism Patrick Fridenson	613
Conflicts and Controversies Over Technologies François Jarrige	627
Body Techniques and the Search for Human Perfection. From the Regeneration of the Social Body to the Entrepreunarial Subject Cecilia CALHEIROS	643
Rethinking the Gender and Technology from a Feminist Perspective Virginie Julliard	669
Technologies of Art and Culture. Film and Sound Martine BEUGNET, Mathieu DUPLAY	687
Everyday Technologies. A Short History, from the Late Eighteenth to the Twenty-First Centuries	
Gil Bartholeyns, Manuel Charpy	705
Technology, Pollution, Environment Soraya BOUDIA, Nathalie JAS	729
Repair, Recycling, and Waste Thierry Bonnot, Michel Letté	743
Illustrations	759
Biographies of the authors	765

8