

Historia de la tecnología e imaginarios de la innovación

Enfoques y ¿nuevos temas?

Dr. Nelson Arellano Escudero

Carlos Sanhueza Cerda y Lorena B. Valderrama
Edición general

HISTORIA DE LA CIENCIA Y LA TECNOLOGÍA EN CHILE

Tomo IV

Ciencia, tecnología e
imaginarios de innovación

Nelson Arellano, Cecilia Ibarra.
Editores del Tomo

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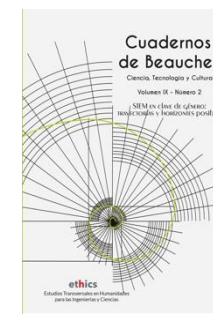
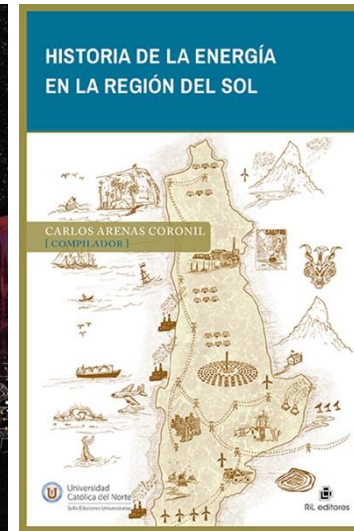
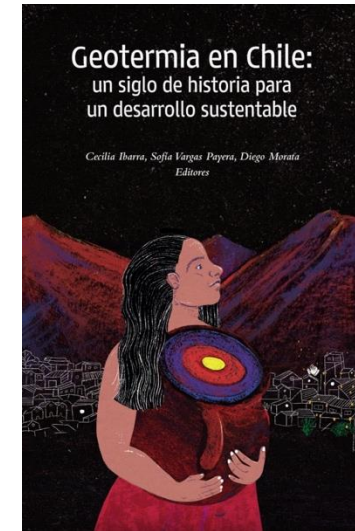
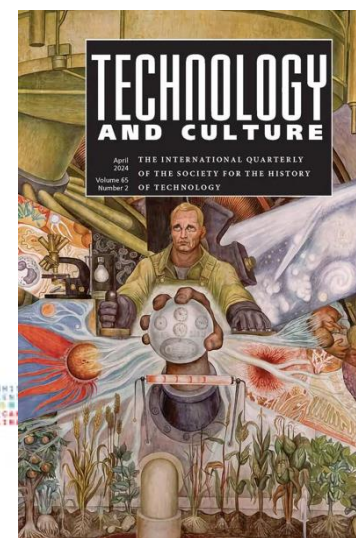
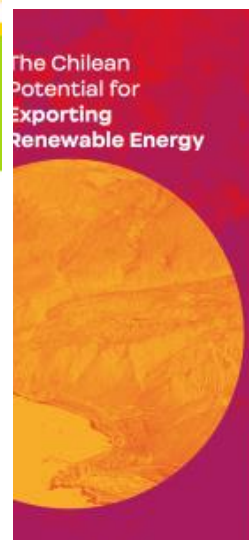
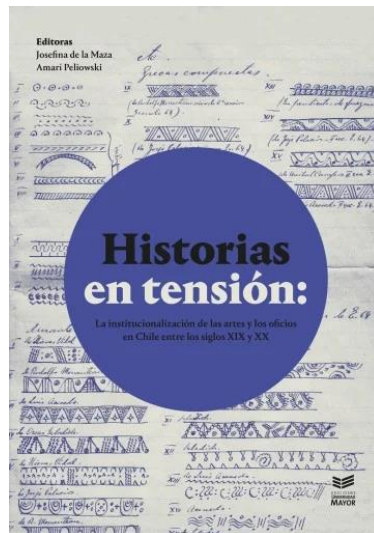
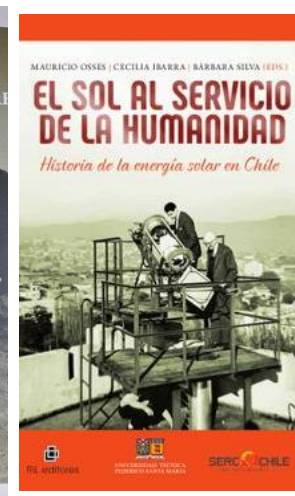
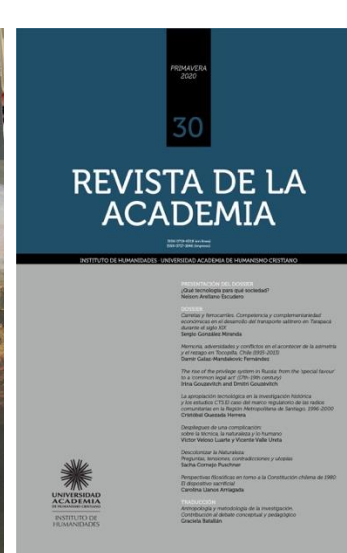
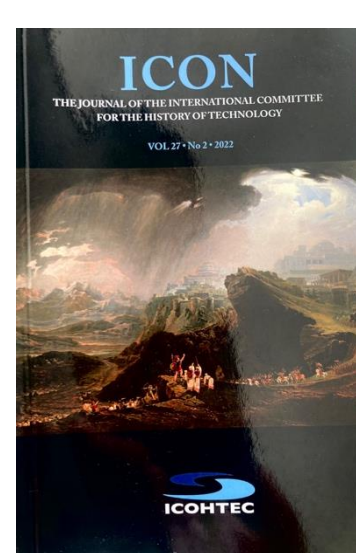
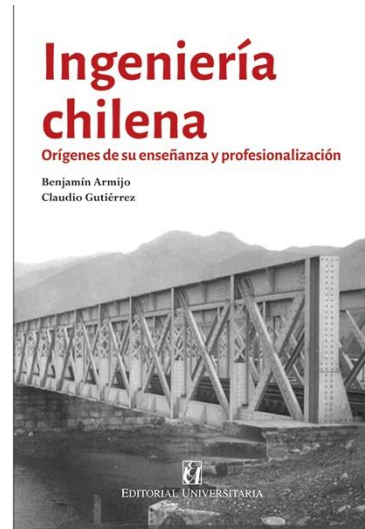
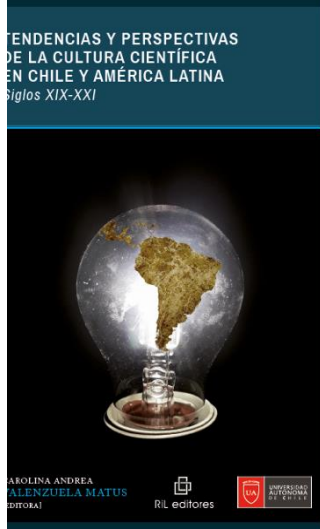
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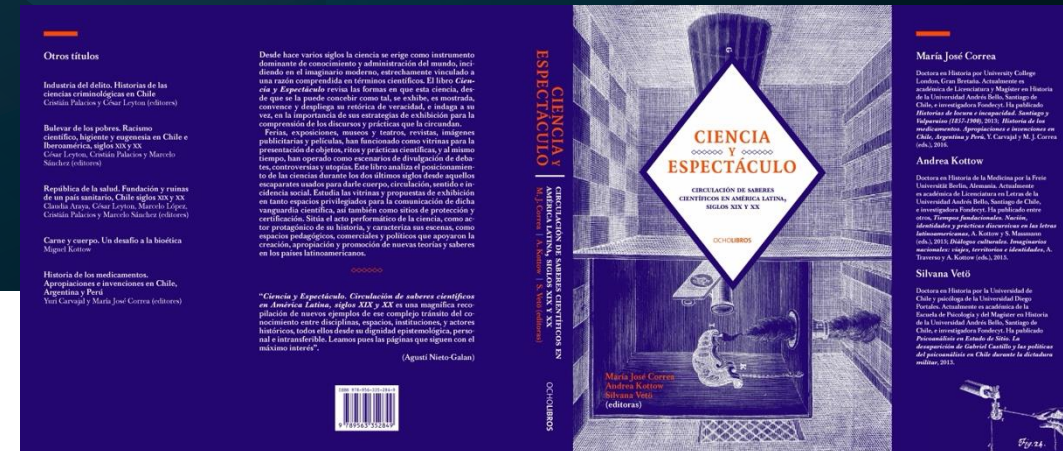
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Route de Valparaíso à Santiago.

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2016 / 2023 / 2026



1º Taller de historia de la tecnología



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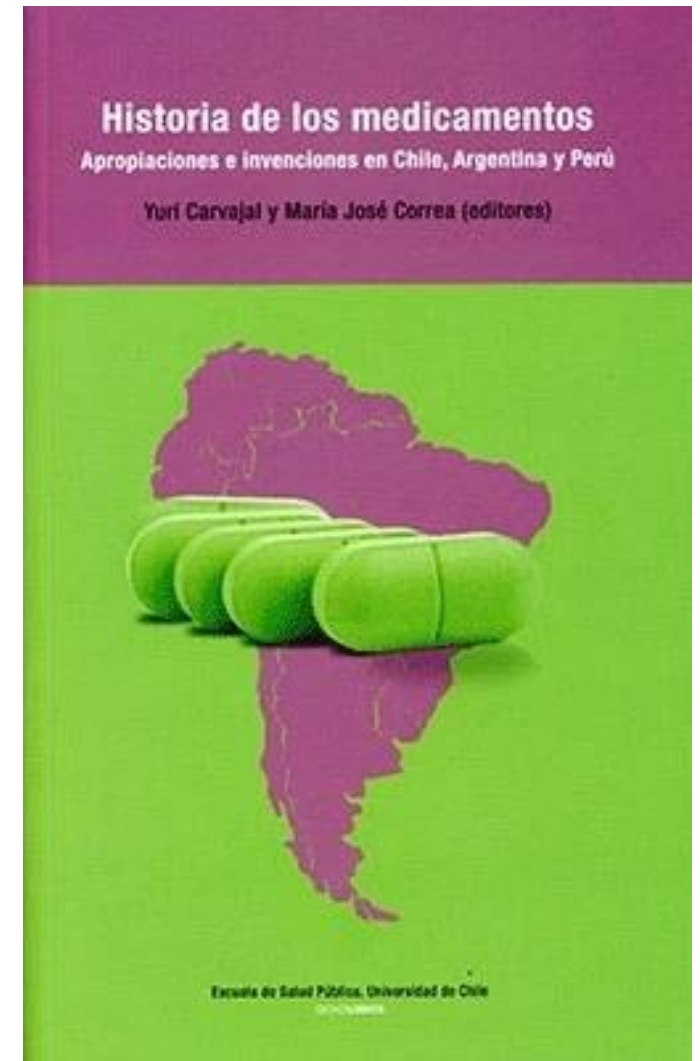
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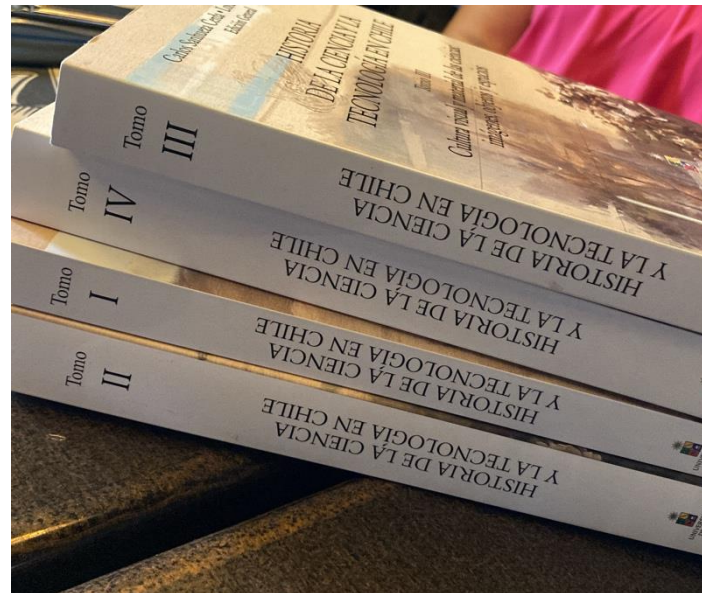
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TECNOLOGÍA

TALLER DE HISTORIA LATINOAMERICANA



SANTIAGO DE CHILE, 21-22 DE NOVIEMBRE 2023

FAU UNIVERSIDAD DE CHILE, PORTUGAL 84.

Taller latinoamericano de Historia de la Tecnología. SHOT-ICOHTEC/LabHCTS. FAU Universidad de Chile, Santiago de Chile, 21-22 de noviembre, 2023



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**& SHOT
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Fotografía: 14 de julio 2024. Antoni Roca-Rosell en ICOHTEC-SHOT Conference, UAI Viña del Mar.



- Winter PhD School, Chile
- 8-9 July, 2024

ICOHTEC PhD School 2026/ Escuela doctoral ICOHTEC 2026



UNAM, Mexico City 24-25
November 2026

Mexico City / Ciudad de México | 24-25 November/Noviembre 2026



17:45– 18.45 Panel 34: Roundtable discussion: Latin America in the Global History of Technology [hybrid]

1. Nelson Arellano [Chair]
2. Rebeca De Gortari
3. Darina Martikánová
4. Marion Steiner
5. Carlos Sanhueza
6. Daniel Crespo

18:45-19:15 Closing Remarks (Nelson Arellano, Florian Bettel, Anna Batzeli, Angelos Palikidis)

21.00 Farewell Party at the Port of Alexandroupolis (Old Marine Warehouses)



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MÁS ALLÁ DE LA FÁBRICA: PRODUCCIÓN Y USO DE LAS TECNOLOGÍAS EN PERSPECTIVA HISTÓRICA

CIUDAD UNIVERSITARIA, CIUDAD DE MÉXICO, MÉXICO
24-27 DE NOVIEMBRE DE 2026

HISTORY OF TECHNOLOGY IN GLOBAL PERSPECTIVES

Jethron Ayumbah Akallah, Nelson Arellano-Escudero, Animesh Chatterjee, Sławomir Łotysz, Saara Matala, Min Fanxiang, Stefan Poser, Hugh R. Slotten, and Magdalena Zdrodowska

Global developments influence the concepts and content of scholarly research. The article aims to make these influences visible by analysing changes in the ideas and concepts of the history of technology. Thus, the paper presents different approaches to, and topics of, the history of technology, as developed by nine researchers, embedded in their characteristic cultures of scholarship all over the world. In doing so, the paper contributes to a transnational comparison of methodologies and contents of the history of technology. It also reflects on how the history of technology sees itself as an academic discipline and how it contributes to ongoing discourses on broader societal challenges.

Introduction¹

Some debates in recent years have hinted that the understanding of the history of technology (HoT) is undergoing profound changes. To mention one of the most important ones *pars pro toto*: the debate on inherent racism and discrimination of epistemic structures. It touches the concepts and structures of history, especially of the history of technology: technology has been and is involved in processes of discrimination.² The example demonstrates that ethical considerations and methodological reflection are becoming more important in the history of technology. When the *International Committee for the History of Technology*, *ICOHTEC*, was founded as a Scientific Section within the *Division for the History of Science and Technology* of the *International Union of History and Philosophy of*

¹ Contribution by Stefan Poser.

² Bhimull et al., “Systemic and Epistemic Racism.”

¿Nuevos temas? / Los desafíos de siempre

Revisiting Kranzberg’s Laws: Rethinking Technological Universality

NELSON ARELLANO-ESCUADERO

ABSTRACT: This essay revisits Melvin Kranzberg’s laws from a Latin American perspective to question claims to technological universalism. It argues that technology should be understood as a historical and situated practice shaped by local, transboundary, and contested knowledges rather than as a neutral object that simply diffuses across contexts. Focusing on Kranzberg’s Fourth, Fifth, and Sixth laws, the essay argues that technological universality is produced through translation, adaptation, and epistemic disputes, not through simple transfer. Colonial and contemporary hierarchies have privileged knowledge from the Global North while marginalizing Indigenous, rural, popular, and Afro-descendant forms of knowing. Against these hierarchies, the essay proposes a relational history of technology for Latin America that is attentive to power, geography, and knowledge circulation. Universality thus emerges not through homogenization but negotiated encounters among diverse knowledge systems and social actors.

KEYWORDS: Kranzberg’s Laws, history of technology, epistemology, Latin America, universality, adaptation

The history of technology in Latin America cannot be adequately understood if technology is conceived as an abstract universal that circulates unchanged across diverse social and cultural settings. A Latin American reading of Melvin Kranzberg’s laws reconsiders this vision by understanding technology as a set of historical practices rearticulated through contact with local and transboundary knowledges. Within this framework, universality is not created by simple technical diffusion but through situated translations and epistemic disputes that recognize the plurality of knowledge systems and the complexity of power relations among them.

This is part of a focus section. See the introduction: Hefler, “Revisiting Kranzberg’s Laws: Which Phrase Would You Print on a Mug?” *Technology and Culture* 67, no. 4 (2026): PAGES.

Citation: Arellano-Escudero, Nelson. “Revisiting Kranzberg’s Laws: Rethinking Technological Universality.” *Technology and Culture* 67, no. 4 (2026): PAGES.

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Una década de historia de la ciencia... y la tecnología. Miércoles 9 de septiembre 2026.

Resumen de la Jornada. Por Verónica Ramírez Errázuriz y Lorena Valderrama Zenteno.

Cecilia Ibarra, José Soto, «El proceso de publicar: Constructing the State: Materiality, Imaginaries and the Politics of Chilean Electrification, 1939–43» (Technology and Culture, Abril 2026)

Viernes 31 de julio. Facultad de Arquitectura y Urbanismo, Universidad de Chile (Sesión híbrida) En esta sesión compartiremos el proceso...

Natalia Pamula (University of Warsaw), Neurotic state: mental illness, psychiatry, and society in socialist Poland.

Viernes 28 de agosto de 2026, 16:00 hrs. Facultad de Arquitectura y Urbanismo, Universidad de Chile, sala B-22 (formato híbrido)...

#blog, #english, #moviedates, #non-categoría, #writing

Elizabeth Chant, «Viajar

del turismo oscuro en