

Inhalt/ Content 32/3 (2023)

SPECIAL TOPIC

Technology hypes, expectations and overpromising

The term 'hype' can be understood as both descriptive and action-guiding. This TATuP Special topic contributes to a better understanding of the temporal and institutional dynamics that create, fuel and maintain hypes in order to better anticipate, deconstruct and criticize them.

10

EDITORIAL

- 3** K. KASTENHOFER

TA FOCUS

- 6** *Meldungen • TA-Grafik • 5 Fragen an H. Paschen • Aus dem openTA-Kalender • Personalia*

SPECIAL TOPIC TECHNOLOGY HYPE: DEALING WITH BOLD EXPECTATIONS AND OVERPROMISING

- 11** J. BAREIS, M. ROSSMANN, F. BORDIGNON
Technology hypes: Practices, approaches and assessments
- 17** T. ROBERSON, S. RAMAN, J. LEACH, S. VILKINS
Assessing the journey of technology hype in the field of quantum technology
- 22** M. NEUWINGER
Are social experiments being hyped (too much)?
- 28** C. ARORA, D. SARKAR
Tech hype as a mnemonic process: Misremembering the land problem in India
- 34** T. ZÜGER, F. KUPER, J. FASSBENDER, A. KATZY-REINSHAGEN, I. KÜHNLEIN
Handling the hype: Implications of AI hype for public interest tech projects
- 41** M. KARI, M. LEHTONEN, T. LITMANEN, M. KOJO
Technology hype, promises, and expectations: The discussion on small modular reactors in the Finnish newspaper 'Helsingin Sanomat' in 2000–2022
- 48** R. MEUNIER, C. HERZOG
Omics and AI in precision medicine: Maintaining socio-technical imaginaries by transforming technological assemblages
- 54** T. FRISCH
Don't believe the hype?: Imagined business futures and overpromising for a decarbonized economy
- 60** S. GAILLARD, C. MODY, W. HALFFMAN
Overpromising in science and technology: An evaluative conceptualization

RESEARCH

Chatbots in der Schule

Die Integration von Chatbots und künstlicher Intelligenz in pädagogische Settings ist für Schulen und Lehrkräfte eine noch ungewohnte Situation. Wie kann diese Herausforderung mit der pädagogischen Herangehensweise an Bildungs- und Erziehungsprozesse in Einklang gebracht werden?

72

INTERVIEW

Responsible Innovation and hype

This interview highlights the significance of the history of Responsible Innovation in understanding the dynamics of technological hype.

Dani Shanley argues that it needs proactive engagement to ensure Responsible Innovation's continuity beyond buzzwords.

86

66

A. PICHL

Efforts against stem cell hype stuck in the logic of overpromising?: An essay on hype-conducive ways of doing ethics

RESEARCH

72

J. GUTBROD, B. KLOPSCH

Chatbots als pädagogische Herausforderung für Schule und Unterricht

79

F. STELZER, F. PENNEKAMP, L. KINGS,
M. FREUDENTHAL

Mirke Neighbourhood Panel: Accompanying research for the Solar Decathlon Europe 21/22

INTERVIEW

86

MIT/WITH D. SHANLEY VON/BY M. ROSSMANN
Can the history of Responsible Innovation help us live better with hype?

REFLECTIONS

90

E.-M. WALKER, L. NIERLING

Book review: Tisch, Anita; Wischniewski, Sascha (2022): Sicherheit und Gesundheit in der digitalisierten Arbeitswelt

92

F. GNISA

Meeting report: "Fair and decent work in the global economy?". International Labour Process Conference, 2023, Glasgow, UK (hybrid)

94

C. KEHL

Meeting report: „Infrastrukturen der Zukunft: Wie kann TA anstehende Transformationen begleiten?“. Conference, 2023, Vienna, AT

96

M. KARABOGA, G. RUNGE, F. METZGER

Meeting report: „Data Sharing – Datenkapitalismus by Default?“. Conference, 2023, Berlin, DE

98

TATuP Dates