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Societal Challenges Posed by New Artificial Intelligences

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Recent advances in various forms of artificial intelligence (AI) have begun to reshape our societies. This rise of AI—including symbolic, generative, predictive, and translation AI—is not merely a technological advancement; it has a significant impact on how organizations are managed, as well as on many other professional practices. Between promises of opportunities not to be missed and ethical and environmental risks—and even irrational fears—the term “AI” now raises a wide range of questions and debates, which are gradually being addressed by all scientific disciplines. As a result, various forms of testing and benchmarking are being adopted or developed to evaluate different AI systems in real-world contexts, drawing on transdisciplinary approaches. That is why this issue of the *Technology and Innovation* journal aims to explore, from various scientific perspectives, the impacts, applications, and representations of AI across several thematic areas, combining theoretical perspectives with empirical studies. Among the topics that may be addressed are:

- the emerging relationships developing between new AI systems and society;
- ongoing digital transitions specific to AI or resulting from it;
- the influence of AI on social dynamics, inequality, and ethical issues;
- the formation of opposition or watchdog movements by nongovernmental organizations (NGOs) and other groups in response to the rapid spread of AI;
- the impact of generative AI on education, professional activities, and research;
- how AI is portrayed in society and the media;
- tests designed to assess AI capabilities and developments.

Schedule:

Full papers of 6,000 to 8,000 words should be submitted in Word format, following the template available at this link: https://www.openscience.fr/IMG/doc/authors_guidelines_techinn.doc

Please submit to: stephane.gorla@univ-lorraine.fr

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