Editorial

Intersecting Frontiers: Knowledge, Innovation, and Enterprise in a Complex World

This thirteenth volume of the *Research Papers on Knowledge, Innovation and Enterprise* continues a tradition of showcasing a diverse and intellectually rich selection of scholarly work submitted to the annual KIE Conference. Held this year in Lisbon, Portugal—Europe's oldest nation—the 2025 conference brought together scholars from across the globe to explore critical issues at the intersections of knowledge, creativity, entrepreneurship, education, and science.

This edition reflects not only the core mission of the KIE Conference—to foster cross-disciplinary dialogue—but also the complex and often urgent realities shaping our world.

We begin with Gillian L.S. Hilton's timely and socially resonant paper on the dangerous rise of misogynistic ideologies in youth culture, focusing on the influence of controversial online figures such as Andrew Tate. Her research is both a call to action and a roadmap for educators seeking to foster inclusive and respectful school environments.

In Elizabeth Achinewhu-Nworgu's powerful contribution, the lived realities of ambitious African women navigating systemic gender and racial barriers in business and the workplace are brought into sharp relief. Her analysis is both deeply personal and universally relevant, illuminating the enduring struggle—and remarkable resilience—of women in male-dominated spaces.

Marlon Robinson's conceptual exploration of entrepreneurship offers a fresh synthesis of the literature, presenting a framework that highlights the interconnectivity of definitions and constructs—an invaluable contribution to understanding entrepreneurial behaviour in a globalised, dynamic world.

Gavin Suss' analytical paper on the Israel Defense Forces and Israel's military-industrial complex illustrates how national defence can serve as a catalytic force for innovation, economic growth, and global leadership. His study of elite IDF units like Unit 8200 and Mamram paints a compelling portrait of how military excellence fuels Israel's reputation as a "Start-Up Nation."

Finally, Dominique Heger's simulation-based research on black hole geodesics offers a bold foray into astrophysics, bridging theoretical insights from general relativity with creative modeling of Kerr and Schwarzschild black holes. His speculative connection between Planck-

scale phenomena and gravitational singularities opens up new imaginative frontiers in science.

In the sixth and final paper of this volume, Silas Ihedioha and Isaac Mankilik introduce a fractional differential equation (FDE) framework for modeling climate system dynamics. Recognizing that traditional models fail to account for long-term memory effects inherent in climate processes, their study incorporates the Caputo fractional derivative and memory kernels to simulate global temperature anomalies more accurately. Their fractional energy balance model reveals that delayed and cumulative climate responses can be captured more effectively using fractional calculus. The paper not only advances the field of climate modeling but also offers critical insights for urban resilience planning, infrastructure adaptation, and climate-risk-informed policymaking.

Together, these six papers reflect the spirit of the KIE Conference: inquisitive, interdisciplinary, courageous, and committed to addressing contemporary challenges through rigorous and innovative thinking.

We commend the authors and invite readers to engage, question, and contribute to the evolving global discourse on knowledge, innovation and enterprise.

James Ogunleye, PhD
Editor