

# Transformative Learning for Future Higher Education: The AI-enabled Learning Revolution 2035

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## **SHORT BIOS:**

Dr. Miltiadis Lytras is a renowned expert in advanced computer science and management, serving as a Research Professor at Deree College - The American College of Greece and a Distinguished Scientist at King Abdulaziz University in Jeddah. His expertise spans Smart Cities, cognitive computing, information systems, and knowledge management, aiming to improve educational quality through collaborative efforts. Dr. Lytras has contributed over 120 high-impact papers to prestigious Q1, and Q2 Web of Science indexed journals across various subjects, including technology, education, and information management.

Dr. Afnan Alkhaldi is an assistant professor at the Arab-Open University, Kuwait branch. She is a leading expert in Smart Cities, Information Systems, and e-Governance, with a Ph.D. in Operation and Information Management. With extensive experience in smart city development, she combines innovation, efficiency, and a results-oriented approach to her work. Currently, she serves as a Consultant for the Al-Hareer Smart City project in Kuwait, where she applies her expertise to enhance economic development and urban planning. Dr. Afnan's contributions are pivotal in shaping sustainable urban futures.

Dr. Sawsan Malik is an assistant professor at the Arab-Open University, Kuwait branch, specializing in Smart City Management, gig and circular economies, eco-innovation, entrepreneurship, sustainable development, the informal economy, e-government, and digital transformation. She focuses on qualitative research methods, including grounded theory and ethnography. Malik serves as a peer reviewer for several notable journals in entrepreneurship, management, hospitality, and social sciences.

Dr. Andreea Claudia Șerban is Professor at the Department of Economics and Economic Policies, Faculty of Theoretical and Applied Economics and director of Doctoral School of Economics I. She holds a PhD in Economics from Bucharest University of Economic Studies and a post-PhD in Economics from Romanian Academy of Science. Her research activity consists in publication of 7 books and numerous economic studies in highly ranked journals and participation in many international conferences. She is Associate Editor for International Journal on Semantic Web and Information Systems (IJSWIS – WoS indexed journal) and Editor in Chief for Global Journal of Business, Economics and Management: Current Issues (journal indexed in many international databases). She is reviewer for prestigious international journals and member in editorial board or organizing committee of many international conferences. She is expert for Lithuania Research Council. Her areas of research interest include: sustainable development, smart development, knowledge economy, labour market, education, demographic issues.

Dr Tahani I. Aldosemani is an expert in the field of educational technology, currently serving as the Program Director for Skills and Lifelong Learning at the Education and Training Commission. She also holds the position of Associate Professor of Educational Technology at Prince Sattam bin Abdulaziz University, and the University's Council Member. Her previous roles include Vice Dean of Information Technology and Distance Education at the same university and a consultancy position for the Saudi Arabian Minister of Education, focusing on e-learning and international cooperation. She also served as co-chair for the G20 2020 Education group. Dr Tahani earned her PhD in Educational Technology and a Diploma in Curriculum and Instruction from the University of Wyoming, USA. She is a Certified Professional in Talent Development from the Association of Talent Development, an alumnus of the MIT Digital Transformation program, and holds a certificate in Online Learning Global Leadership from the Online Learning Consortium. Dr Tahani has received several international awards and recognitions in educational research and has many publications in educational technology and digital transformation in education. She led many successful initiatives in education presented at different conferences, seminars, and workshops.

## **ABSTRACT:**

This chapter delves into the pivotal role of Digital Transformation (DT) strategies in fostering educational innovation, particularly through the lens of Transformative Learning (TL). By outlining a five-stage TL model, we explore how DT strategies can not only support but significantly enhance educational reforms. Actions and Multipliers, constituting the core elements of this model, interact dynamically to advance TL within academic institutions. Actions, such as strategic initiatives and the development of learning environments, account for the tangible steps towards transformation. Meanwhile, Multipliers amplify these efforts, emphasizing the importance of strategy, commitment, and the sustainable impact of educational transformations. We also highlight the emerging influence of Artificial Intelligence (AI) in reshaping learning contexts, demonstrating its capacity to personalize learning experiences and foster problem-solving skills. Additionally, we envision the future trajectory of Higher Education (HE) towards 2035, emphasizing the integration of AI and DT in creating a responsive and adaptive educational ecosystem. This chapter argues that DT is not just a tool but a

catalyst for active and transformative learning, proposing a holistic approach to integrating technology in education that addresses current challenges and anticipates future needs.

**KEYWORDS:**

1. Digital Transformation
2. Higher Education
3. Active and Transformative Learning
4. Higher Education Vision 2035
5. Future Education
6. Active Learning

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