Innovating the Future: Harnessing Nanotechnology and Digital Transformation for a Secure and Humanized Digital Era"

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Abstract (Calibri 12)

This presentation explores the convergence of nanotechnology and digital transformation technologies—such as AI, cloud computing, and cybersecurity. Emphasizing potential applications in telecommunications, healthcare, and cybersecurity, the discussion highlights nanotechnology's capacity to drive secure, efficient, and human-centred advancements. Drawing on success stories and aligned with Albania's 2030 Innovation Strategy, this talk underscores prospects and provides recommendations for Albania's tech ecosystem, fostering an inclusive and collaborative environment for sustained growth.

References
1. European Commission. (2022). Digital Transformation and Innovation Strategies in the Balkans. Link
2. IBM Research. (2021). Carbon Nanotubes in Data Storage. IBM Research
3. National Institute of Information and Communications Technology, Japan. (2020). Nanotechnology in 5G Networks.

Figures

Figure 1: Albania's path to a tech-driven future: where nanotechnology meets digital innovation