BROADENING EXPERIENTIAL PROFESSIONAL DEVELOPMENT CONSTRUCTS THROUGH THE METAVERSE

Doug Darby, PhD
Lubbock Christian University

Brian Burton, EdD
Abilene Christian University

What is the Metaverse?

Core conceptual elements include:

- Collective Network of Virtual Spaces

- Accessed with Digital Representatives

- Easy Movements Between Spaces

- Real-Time Interaction with Others

- Diverse Experiential Opportunities and Context

Key Metaverse Differentiators

Differentiators from traditional online learning include:

- Persistent Nature

- Greater Personalization

- Inclusion of Spatial Dynamics

- Unique Learning Experiences

- Improved Performance and Retention

- Social Learning and Collaboration

Essential Applications

Development and training applications include:

- Game-Based Learning

- Personalized Instruction

- Certification Training

- AI-Based Coaching / Advising

- Remote Collaborations and Virtual Workflows

- Options for Immersion with Extended Reality

Early immersive worlds like Second Life offered insights.

- Impact of Personalization with User Avatars

- New Training and Instruction Ideas

- Spatial Dynamics

- New Interactions

- Group Experiences

Past Attempts to Future Potential

National Library of Medicines (NLM) Tox Town

- Unique Experience Exploring and Interacting

- Spatial Engagement Not Possible in Real-World

Rationale for a Metaverse Shift

Why use it for professional development and training?

- Access and Flexibility

- Fits Knowledge Construction

- Experiential Dimensions

- Prohibitive Opportunities

- Shared Experiences

- Immersive Design Options

The Coming Metaverse

Considerations to keep in mind...

- Developing Needs of Organizations and Learning Systems

- Emerging Technologies and Evolving Roles in Learning

Next steps and recommended actions...

- Plans to start exploring potential structures using UnReal

- Possible 5-year timeframe for relevant functional model

- Continued research is needed to understand all aspects

Thank You for Your Attention!

For questions or additional information, please contact us.

Doug Darby, PhD

Lubbock Christian University

Doug.Darby@LCU.edu

Brian Burton, EdD

Abilene Christian University

Brian.Burton@ACU.edu