



CHIPS
CENTER FOR HETEROGENEOUS INTEGRATION
AND PERFORMANCE SCALING

Industry Seminar



Exploring the Future of Education at UCLA

Talk Date / Time: **Wednesday, June 16 – 1:00pm to 2:30pm PDT**

Virtual: <https://ucla.zoom.us/j/97503437153> In-person: **Engineering 4 Building Room 53-125**

In-person Demonstration Dates / Times:
(Engineering 4 Building Room 53-125)

June 16 – 10:00am to 12:00pm PDT

June 16 – 3:00pm to 6:00pm PDT

June 17 – 10:00am to 12:00pm PDT

June 17 – 2:30pm to 5:00pm

Abstract:

Everywhere **we are facing 10x the rate of change versus prior decades**. Rules based repetitive tasks are being AI automated. eXtended Reality (XR) technology is giving birth to a web of 3D spaces and the Digital Twin of the world. Long held traditions and location based activities are challenged to increasingly embrace digital options. Given the unprecedented speed of change, no single brand of hardware, software and services in the exponentially evolving marketplace can meet all the adaptive Digital Transformation needs of an organization.

Innovation is the only game. Organizations that see this as a massive opportunity in disguise and invest to innovate will separate themselves from the pack and reap competitive advantage of a kind that comes only once in many centuries. Organizations that reach “*AI Predictive, Zero Waste and Continuously Learning*” steady state of operations will outperform competition. End users will find greater value in *super-brand experiences* that continually and uniquely combine best capabilities across brands to create new and recurring value.

Every organization must develop an AI XR omnichannel strategy to win. Every function of every organization, and especially the Learning and Development (L&D) function that is common to industry and academia, must ask “what is our AI XR omnichannel strategy?”. As there are over 2500 majors cumulatively offered from the Top 55 universities alone, universities need to further accelerate cross-field learning.

Faculty’s role is shifting from being a sage on the stage to becoming a guide on the side. With up to 90% of employees in enterprises expressing unhappiness in their current jobs, the faculty’s role should expand beyond imparting technical skills to also helping students develop enduring life skills – how to align to one’s authentic dreams, learning how to learn from hybrid channels lifelong, and continuously reinventing at every stage of life.

Students of the next generation have to embrace an “X” shaped professional expertise profile, developing the ability to learn any skill 10X faster. Vertical “I” shaped profile of a technical leader or even a broader “T” shaped profile of a business leader are prone to rapid obsolescence in fast changing environments of today.

In this talk, Youtopian will provide cutting edge insights from Digital Transformation initiatives powered by AI XR technologies spanning use cases in industries and academia. The demo will introduce the audience to elements of a new *omnichannel delivery standard* that combines text, audio, pictures, video, 360, VR, AR, AI Tutor and live mentor. We will conclude by sharing a perspective on how to meet learners where they are and accelerate them to full potential by stepping up effectiveness and efficiency of L&D innovations.



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Industry Speaker Information



Lisa Sibila

Co-CEO Youtopian, Stanford LEAD '20
Former Disney Company cast member



Dr. DP Prakash

Co-CEO, Youtopian
UCLA EE PhD '97



Paul Marca

Chief Education Evangelist, Youtopian
Former Stanford Associate Vice Provost

Lisa Sibila, Co-CEO of Youtopian, is leading digital transformation in education & enterprise to upskill talents at a global scale using NYOUGENE, the world's first omnichannel upskilling platform powered by disruptive innovations including AI and eXtended Reality (AI XR). Lisa is guiding top universities in the shift to hybrid course design, experiential innovation and online labs. In 2021, Lisa pioneered the concept of PracticalVR which enables for global learners superior field work and training with 3D immersion. Lisa's work also includes enabling language learning through Total Physical Response (TPR) methodology and AI XR integration. As an expert in Education, Learning & Development, Lisa strives to redefine and clarify the complementary roles of humans and machines to *accelerate humans to full potential* and power the innovation economy.

Dr. DP Prakash, Co-CEO of Youtopian, was the former Global Head of Innovation at Global Foundries and has previously held numerous technology leadership roles spanning Research, Development and Manufacturing over two decades at IBM. Dr. DP Prakash's work on the Digital Transformation of Enterprises include innovations in Remote Collaboration, Remote Upskilling, Predictive AI engines, Conversational-AI powered Virtual Human Assistants, IoT closed loop systems and Digital Twins of factories, tools and nanoscale structures. Dr. DP Prakash's work with the world's first and only AI-AR powered Connected Worker Platform makes it easier for frontline workers to do more with reduced cognitive load and human errors and improve training time by up to 80%.

Paul Marca, is Principal at Parallax Global Advisors, LLC a firm which provides strategic consulting for those seeking to transform education through technology. Paul also currently serves the International Association for Continuing Engineering Education (IACEE) as a council member and First Vice President. As former Associate Vice Provost, Office of the Vice Provost for Teaching and Learning, Paul spent 32 years in senior leadership roles at Stanford. He directed a team of 80 professionals guiding a portfolio of over 250 graduate and professional courses annually. He has been instrumental in developing and implementing an international portfolio which includes Singapore, China, India, Korea, Malaysia, Brazil, the Middle East, and in numerous other countries.

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