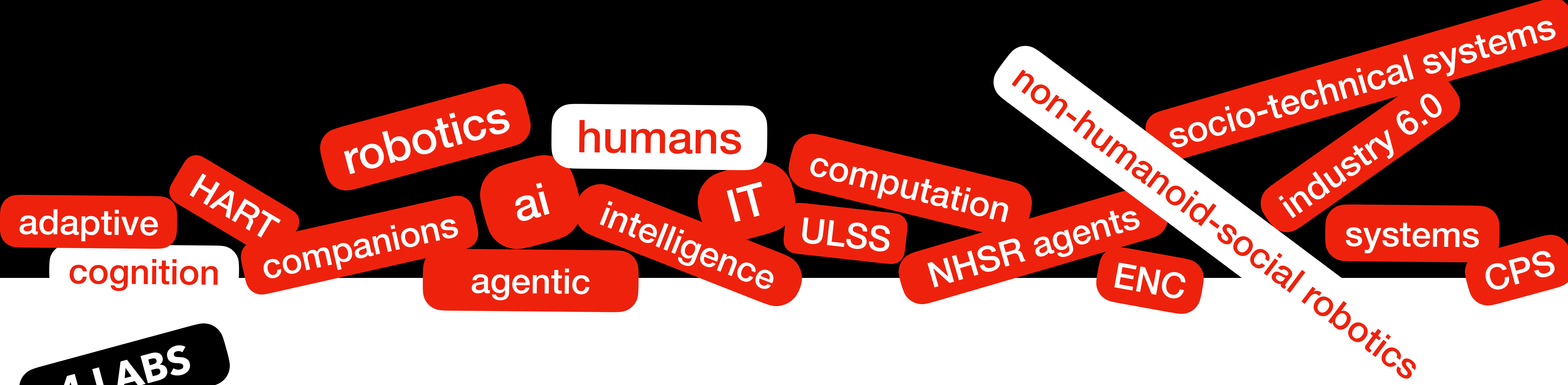


WHERE HUMANS AND SPACES COEXIST & COEVOLVE



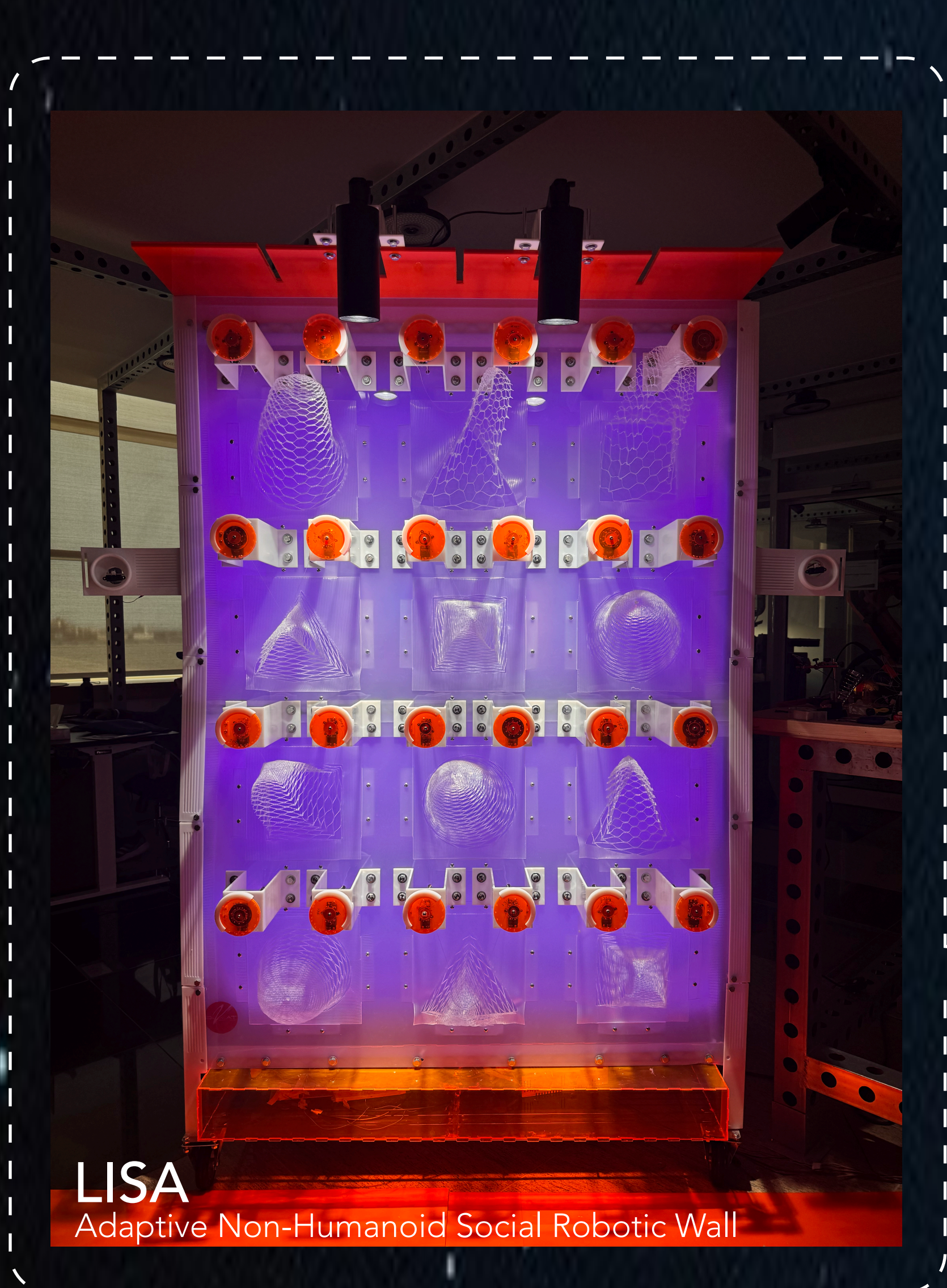
4 LABS

MORPH DIGITAL FABRICATION & DESIGN WORKSHOP

EDGE CYBER-PHYSICAL SYSTEMS & NON-HUMANOID SOCIAL ROBOTICS SYNERGY STUDIO

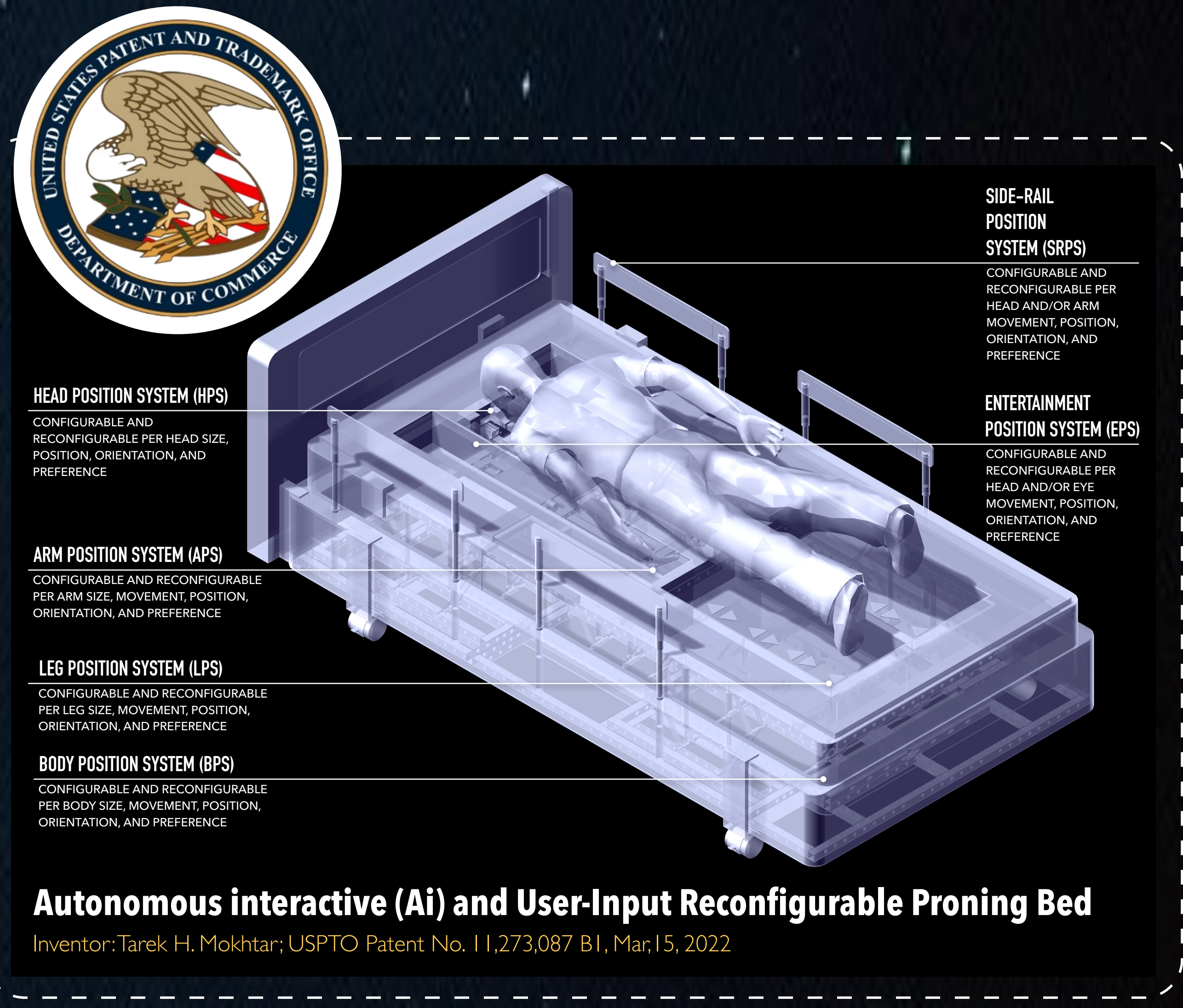
ROBOTek ROBOTICS FABRICATION LAB

iDNA INTELLIGENT DESIGN & ART RESEARCH LAB

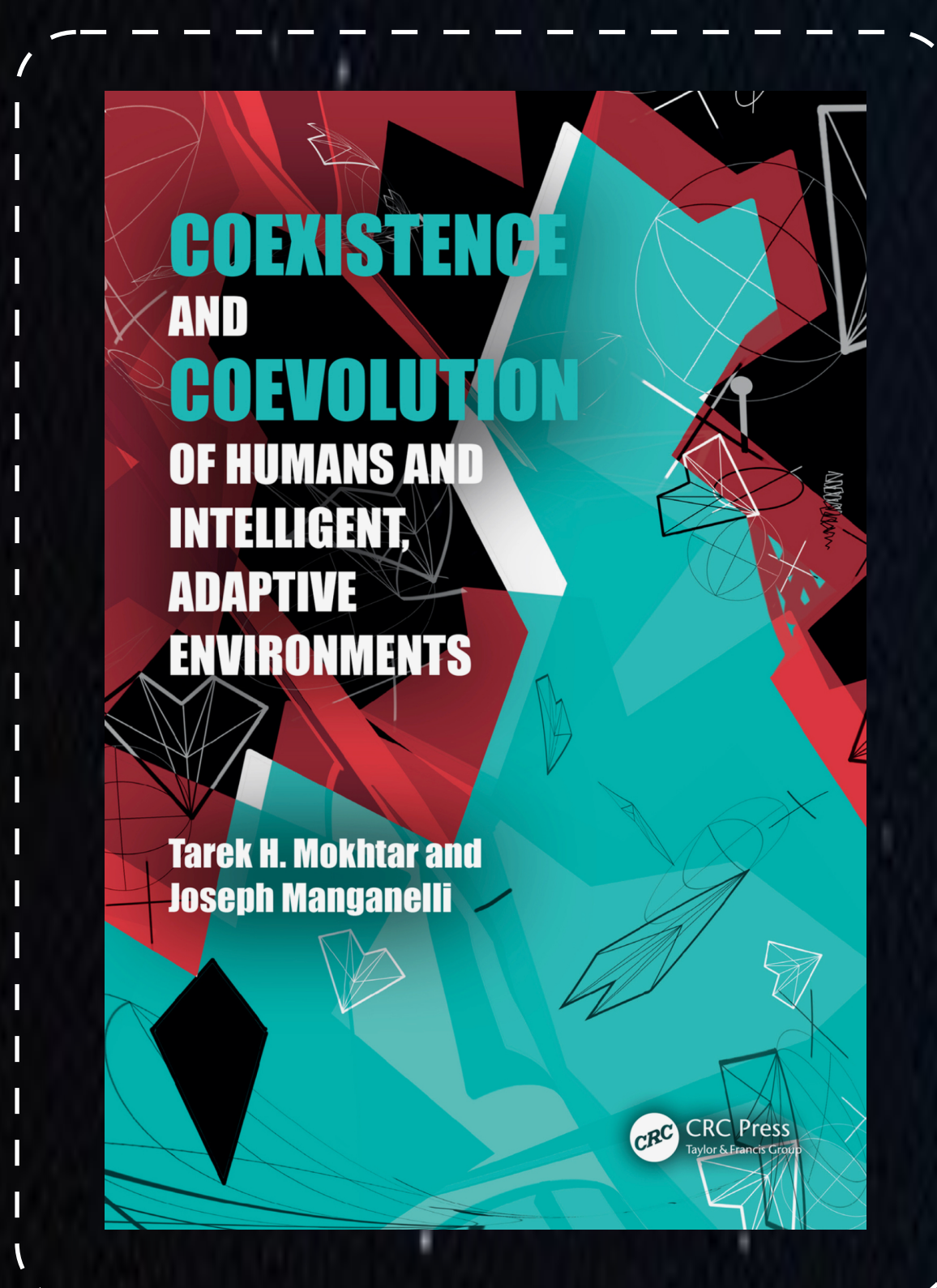


US PATENT

NHR PROTOTYPE



PUBLICATION



Book | Taylor & Francis Press



PURPOSE

Advancing architectural and spatial robotics through research, innovation, design, prototyping, and education—cultivating novel practices in cyber-physical environments, intelligent adaptive systems, and non-humanoid social robotics for the built environment and industry.

FOCUS AREAS

- Adaptive human–space–robot interactive systems
- Non-humanoid social robotics in architecture
- Meso-/Macro- Scale Cyber-physical integration with edge intelligence
- Agentic HART Spatial Environments
- Human–AI–Robot Teaming for human-spatial coexistence and coevolution

KEY ACHIEVEMENTS

GRANTS:
RDIA Research Grant - SAR 3,766,000

PATENTS:
US Patent: 17/395,847

BOOKS:
Mokhtar and Manganelli. Coexistence and Coevolution of Humans and Intelligent, Adaptive Environment, Taylor & Francis Press – February 2026

RESEARCH:
Journal Papers, Patents, Conference Papers, and Books

PHYSICAL PROTOTYPES:
iHE, iWEE, iLounge (wip), LISA, the iCabinet (wip), and more