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Bridging Sectors And Empowering Progress | Integrating Compute, Data, and Community for Innovation

Tuesday, 2 December 2025 09:45 (45 minutes)

In today's rapidly evolving digital landscape, robust national cyber infrastructure is essential for driving innovation, securing critical systems, and empowering research across all sectors. This keynote explores how the strategic integration of advanced compute power and big data capabilities forms the backbone of modern cyber infrastructure, enabling nations to tackle complex challenges in science, engineering, and industry. We will highlight MathWorks' pivotal role in supporting these efforts by delivering state-of-the-art technical tools, such as MATLAB and Simulink, that accelerate data analysis, modeling, and simulation at scale. Beyond technology, MathWorks is committed to capacity building—offering comprehensive training programs for staff and students to cultivate the next generation of cyber professionals. Furthermore, we foster collaboration by connecting academia, government, and industry, ensuring a vibrant ecosystem where innovative ideas flourish. Join us to discover inspiring case studies and practical strategies that demonstrate how a unified approach to compute, data, and community can unlock the full potential of national cyber infrastructure and drive transformative outcomes.

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