

Lossless Data Compression Webinar: Choosing Algorithms and IP Core Accelerators

Get expert advice on the benefits and trade-offs of GZIP, LZ4, Snappy, and Zstd compression methods and IP cores for implementing them.

Woodcliff Lake, New Jersey — July 10, 2025 — Semiconductor intellectual property core provider CAST invites electronic system designers to learn about choosing and implementing the best lossless data compression for their application in this free, 45-minute webinar.

Unpacking System Performance: Supercharge Your Systems with Lossless Compression IPs

Host: Dr. Calliope-Louisa Sotiropoulou

July 17, 2025, 8:00 AM PDT
(11:00 AM EDT, 5:00 PM CEST)

[Register in Advance](#)

Lossless data compression plays a vital role in addressing the growth in data volumes, real-time processing demands, and bandwidth constraints that modern systems face.

Dr. Sotiropoulou will deliver expert insights into the key algorithms that dominate the compression landscape—GZIP, LZ4, Snappy, and Zstd—and, through examples, explore the trade-offs in compression ratio, speed, and resource demands that each provides.



Presenter:
Dr. Calliope-Louisa Sotiropoulou
CAST Sales Engineer & Product Manager

Attendees will receive tips on choosing the best compression method for specific applications, and will see the benefits of hardware acceleration over software execution with examples from CAST's [Lossless Data Compression IP cores family](#). A Q&A session will allow participants to share their specific compression challenges and get expert advice.

This technical webinar is designed for system architects, SoC developers, FPGA designers, and IP integrators who aim to enhance system performance through advanced compression strategies. [Register today](#) to reserve your space.

About CAST

Computer Aided Software Technologies, Inc. (CAST) is a digital silicon IP provider founded in 1993. The company's ASIC and FPGA IP cores product line includes microcontrollers and processors; compression engines for data, images, and video; interfaces for automotive, aerospace, and other applications; security primitives and comprehensive SoC security modules; and various common peripheral devices. Learn more by visiting www.cast-inc.com.

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