

Adaptive Radar Signal Processing

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Adaptive Radar Signal Processing

Learn about the most recent theoretical and practical advances in radar signal processing using ... CFAR detection, adaptive beamforming, random arrays for radar, space-time adaptive processing, and ...

Compressed Sensing in Radar Signal Processing

The AN/APY-9 radar on the E-2D aircraft features signal processing subsystems ... targets simultaneously with its space-time adaptive processing (STAP) architecture, which suppresses clutter ...

Lockheed Martin to provide radar signal processing retrofit subsystems for Navy's carrier E-2D aircraft

This is enough to support basic L2/L2+ features like automatic emergency braking (AEB) and adaptive ... signal, and the radar microcontroller (MCU) handling the digital radar signal processing.

Radar Systems for Autonomous Driving—at L2/L2+ and Beyond

Radar signal-processing algorithms, such as adaptive beam-forming, pulse compression, constant false alarm rate (CFAR) and cross correlation run on the GPU. Mercury's board packages the GPGPUs in ...

GPGPU processor and 10-Gigabit Ethernet embedded computing boards for radar processing introduced by Mercury

Altera is also demonstrating its radar reference designs ... and element-level configurability Space-time adaptive processing (STAP), a signal processing technique to achieve order-of-magnitude ...

Altera Showcases System Design Solutions at RadarCon 2015

and gradient-based algorithms for signal recovery, to semidefinite programming (SDP) relaxation and radar waveform design via SDP. It also includes blind source separation for image processing, robust ...

Convex Optimization in Signal Processing and Communications

The Sony Xperia 1 III isn't for everyone, but for those who enjoy Sony's Android phones, or who want a top-tier smartphone with a versatile camera, a beautiful screen and strong battery life, this is ...

Sony Xperia 1 III review

The Constant False Alarm Rate (CFAR) core is a high throughput IP core, whose main application area is automotive driver assistance radar. It is normally applied ... Normalised Correlation module. The ...

Building Blocks IP Core

Thanks to radar, sensor technology, and on-board computer processing power, safety is spreading in cars. Two new developments: radar-based adaptive cruise control ... 40 MHz digital signal processors ...

Safety options expand

Level 2+ "lane-level" capabilities, such as adaptive cruise control ... sensors like imaging radar, LIDAR, and cameras. For example, an image signal processor (ISP), such as Arm's Mali ...

Life at the Sensor Edge: The Increasing Demands of Autonomy

Embedded Supercomputing Embedded computing technology has evolved way past the point now where complete system functionality on single chip is remarkable. To ...

Chip-Level Solutions Feed AI Needs

His research interests lie in various areas of statistical signal and image processing, including sensor array signal processing, radar systems, and adaptive sensing. Fuhrmann is a fellow of the IEEE.

Daniel R. Fuhrmann

But TVs can come with downsides, such as input lag, poor pixel response, and overly aggressive image processing ... the EL2870U will accept an HDR signal and render colours correctly, though ...

Best Xbox Series X monitor: enjoy a console-focused monitor with your new Xbox

(Graphic: Business Wire) Versal AI Edge adaptive compute acceleration ... edge applications—and for advanced signal processing workloads for vision, radar, LiDAR, and software defined radio.

Xilinx Extends Edge Compute Leadership with World's Highest AI Performance-per-Watt

Consider what Tesla works with: Its Autopilot-equipped vehicles (at least, before its recent abandonment of a forward radar sensor in ... deliver "powerful visual processing at up to 250 meters ...

2022 Lexus LS500h Teammate Driver Assist System Review: There's No "Tesla" in Teammate

All-new Civic Hatchback aimed at young, active buyers with increased versatility, sportier driving character and Euro-inspired exterior design Fun-to-drive ...

2022 Honda Civic Hatchback Makes Global Debut During Honda Civic Tour "Remix" Virtual Performance

Versal AI Edge adaptive compute acceleration ... targeting edge applications—and for advanced signal processing workloads for vision, radar, LiDAR, and software defined radio.

Xilinx Extends Edge Compute Leadership with World's Highest AI Performance-per-Watt

The unique element of the Xperia 1 III's camera setup is an adaptive telephoto camera ... with the strength and reliability of the signal being comparable with other handsets of this type.