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Tailor Insight, the fintech market research organization, recently released a research report “Holographic AR Plus Human-Computer Interaction Lead the Way, WIMI ...

Holographic AR Plus Human-Computer Interaction Lead the Way, WIMI

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Holographic AI Vision Creates a New Driverless Model

The push toward increasing autonomy in automotive is driving new approaches in electronics development. Instead of designing individual components, the focus now is on modeling in context. The ...

New Design Approaches For Automotive

A major field for the application of AI is Generative Design. Generative design tool takes design requirements as input and gives possible designs as output. SolidWorks gives a feature of topology ...

Why mechanical engineers should learn A.I.

“Fiber-steered design only optimizes orientation and keeps the thickness of the fibers fixed, preventing full use of the mechanical properties of CFRP. A weight reduction approach, which allows ...

Optimization approach helps design lighter carbon fiber composites

Researchers from the Singapore University of Technology and Design have combined two different approaches to create an integrated workflow to develop novel automated processes for designing and ...

New soft robot has optimized swimming properties

The control of vibrating systems is a significant issue in the design

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of aircraft ... and data-based controller synthesis. They address many practical issues and applications, and show examples of how ...

Identification and Control of Mechanical Systems

Snapdragon Chemistry and Corporation have agreed to enter a strategic collaboration to jointly support pharmaceutical and chemical industries by providing advanced solutions ...

Snapdragon Chemistry and Shimadzu Announce Collaboration to Enable Automated Biopharmaceutical Process Development

Currently, the department offers a minor in aerospace engineering and plans are in the work for bachelor's and graduate degree programs to follow in the next few years. The state of Nevada has long ...

Aerospace engineering in the Department of Mechanical Engineering

New center to assist and support in customer development, address digital design for high-performance resins, increase simulation of fiber-reinforced parts, drive automotive application solutions.

Toray opens Resins Technical Center in Europe

Chinese researchers from the Technical Institute of Physics and Chemistry (TIPC) of the Chinese Academy and Sciences (CAS) have

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proposed a new ...

Green Environment-friendly Micronano 3D Printing of Hydrogel Proposed in Aqueous Phase

Kinetic Projects is a hybrid course designed for a variety of majors to explore the intersections between mechanical engineering and sculpture. In this project-driven class, students will learn ...

Mechanical Engineering Course Listing

"You always modify it to tailor it for applications. We are hoping everything we measured—the fundamental properties of synthesis kinetics, the mechanical property—become benchmark numbers for ...

Pioneering chemistry approach could lead to more robust soft electronics

"Luminescent polymers are widely used in modern society, in applications ... could be prepared using mechanical force as opposed to sophisticated chemical synthesis. "It is well known that ...

New method makes generic polymers luminescent

Study author Professor Hajime Ito is Vice Director of the Institute for Chemical Reaction Design ... in applications such as organic

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lasers, solar cells, sensors, and bioimaging, but their preparation ...

Turning generic polymers luminescent with sheer force

Traditional search technologies, by comparison, are prohibitively slow for such highly relevant applications ... hit-to-lead optimization, or custom synthesis projects at any level of complexity.

CHEMriya - Billions of Molecules for R&D: OTAVA and BioSolveIT Team Up

Freedman has also pushed new frontiers in material synthesis: she has achieved never-before-seen compounds using extremely high pressures. Freedman is opening up new possibilities to design ...

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