



Access all the journals, magazines and conference proceedings published by the American Institute of Physics (AIP) via the Scitation platform, with archives starting from the inaugural issues, some stretching as far back as the 1930s. The articles cover a broad range of topics related to physics, including renewable and sustainable energy, theoretical and applied mechanics, chemical physics, mathematical physics and biomicrofluidics. Special features of articles in the database include figure and table tools with context browsing, inline search and reference links, dynamic search widget, and paragraph level bookmarking and commenting. You may also browse and search the citations and abstracts of the other articles hosted on the Scitation platform that are not part of the AIP suite of publications. In addition, the Scitation platform allows access to SPIN (Searchable Physics Information Notices), a bibliographic database containing 2.25 million abstracts from major physical science journals and magazines.

[CLICK HERE TO ACCESS](#)

[Access all Subscribed Databases on our Library Website](#)

<p>AI <b>AI is turning every company into a software company (Podcast 25m)</b></p>  <p>"As AI capabilities accelerate, nearly anyone can create software. The real business constraint is no longer code, but judgment: how quickly an organization can learn, adapt, and redeploy talent at scale. In this episode of The McKinsey Podcast, Snowflake CEO Sridhar Ramaswamy joins McKinsey's North America Chair Eric Kutcher to dig into how AI is industrializing intelligence, supercharging productivity, and forcing leaders to rethink everything from pricing models to workforce strategy.</p> <p>In this recurring series on The McKinsey Podcast, Eric speaks with top CEOs about the practice of leadership."</p> <p>Source: <a href="#">Mckinsey</a> (18 June 2026)</p>	<p>AI <b>When AI becomes part of the workflow: Redesigning how software gets built</b></p>  <p>"It is rapidly changing software development, but research consistently shows that organizations still struggle to translate experimentation into meaningful, sustained impact. The promised land of tenfold to 20-fold productivity from AI still seems far away for most companies.</p> <p>The challenge goes beyond tool adoption and requires redesigning the product development life cycle (PDLC), including the fundamental ways software teams work. McKinsey research finds that organizations progress across three horizons:"</p> <p>Source: <a href="#">Mckinsey</a> (June 2026)</p>	<p>ARCHITECTURE <b>OMA Completes Hangzhou Prism Mixed-Use Development in China's Future Tech City</b></p>  <p>"Mass timber has shifted from an experimental niche to a central part of the contemporary debate surrounding sustainable construction. The combination of lower embodied carbon, prefabricated systems, and faster construction timelines has helped position solutions such as CLT (cross-laminated timber) and DLT (dowel-laminated timber) as viable alternatives to concrete and steel in residential buildings, offices, schools, and public facilities around the world. Added to this are the predictability of construction processes and the environmental qualities associated with wood, often linked to user comfort and spatial experience.</p> <p>Working with a relatively new construction technology also requires changes in the design mindset itself. In mass timber building, behind the structural efficiency and aesthetic appeal of exposed wood lies a complex technical reality involving both structural design and the systems that make up the building assembly. Unlike heavy concrete systems, timber structures have lower mass and a distinct vibrational behavior, allowing airborne and impact sound to propagate more easily between floors. The issue becomes critical in residential buildings, hotels, and mixed-use projects, where floor assemblies must meet rigorous acoustic insulation requirements, particularly regarding STC (Sound Transmission Class) and IIC (Impact Insulation Class) ratings.</p> <p>Source: <a href="#">Archdaily</a> (9 June 2026)</p>	<p>ARCHITECTURE <b>Snøhetta designs mesh-covered office building for Miami Design District</b></p>  <p>"International architecture studio Snøhetta has released designs for a mixed-use building in Miami covered in a bulbous "stainless mesh sunscreen".</p> <p>The Sweetbird North building, developed by Raycliff Capital, was designed to be eight storeys tall and will be located in Miami's Design District, next to the distinct Museum Garage building.</p> <p>"Snøhetta is excited for this opportunity to work with our partners in the Miami Design District to shape a new and distinctive contribution to a neighbourhood long recognised for its commitment to design," said Snøhetta director Nathan McRae.</p> <p>On its first and second storeys, the building will contain retail spaces, while floors three to eight will contain office spaces.</p> <p>Images show a metal-plated base with interconnected columns extending upward. The building's facade is semi-transparent with trees are planted along the terraces."</p> <p>Source: <a href="#">Dezeen</a> (22 June 2026)</p>
<p>ARCHITECTURE <b>ZHA's Songshan Lake Exhibition and Performance Center Opens in Dongguan, China</b></p>  <p>"The Songshan Lake Exhibition and Performance Center, designed by ZHA in collaboration with the Beijing Institute of Architectural Design, is a new cultural and sports facility in Dongguan City, China. It's located in the city's High-Tech Industrial Development Zone, a technological innovation and science city established in 2001 as a hub for research, development, and high-tech manufacturing. Covering a total floor area of 45,000 square metres, the new cultural centre was designed to be a civic and cultural anchor for the Guangdong-Hong Kong-Macao Greater Bay Area (GBA). The construction of the riverside building started in 2021, and the complex was officially opened on March 30, 2026."</p> <p>Source: <a href="#">Archdaily</a> (17 June 2026)</p>	<p>ARCHITECTURE <b>Gaudi's "ghost of an alternative New York" visualised by AI artist Thierry Lechanteur</b></p>  <p>"AI artist Thierry Lechanteur has transformed a speculative design by Antoni Gaudí for a supertall hotel in New York into a series of digital renders, featured as part of our Gaudí Centenary series.</p> <p>Currently gaining traction online, the visuals recreate what Belgian artist Lechanteur described as "one of [Gaudí's] most fascinating projects" to mark the centenary of the architect's death.</p> <p>The monumental hotel design, named Hotel Attraction, was developed in 1908 for a pair of unknown businessmen, but was never realised."</p> <p>Source: <a href="#">Dezeen</a> (18 June 2026)</p>	<p>MATERIALS <b>This strange material can become strong or fall apart in seconds</b></p>  <p>"A tightly compressed bundle of office staples can behave in a surprising way. Even though it is made of many separate pieces, the tangled mass can be difficult to pull apart and can act almost like a single solid object.</p> <p>Yet that same bundle can quickly come undone. With the right vibration or movement, the staples can separate and return to a loose collection of individual pieces.</p> <p>Researchers at the Paul M. Rady Department of Mechanical Engineering at CU Boulder believe this unusual combination of strength and reversibility could help inspire a new generation of engineered materials. By designing particles that interlock in a similar way to staples, they hope to create materials that are strong, adaptable, and potentially recyclable."</p> <p>Source: <a href="#">University of Colorado at Boulder</a> (15 June 2026)</p>	<p>QUANTUM <b>This simple twist could bring quantum computers closer to reality</b></p>  <p>"Researchers at the University of Technology Sydney have demonstrated a new way to control tiny sources of quantum light by twisting atomically thin layers of hexagonal boron nitride.</p> <p>The advance provides scientists with a new method for tuning quantum emitters, which are microscopic light sources that could play an important role in future technologies such as quantum computing, secure communications, and ultra-sensitive sensors."</p> <p>Source: <a href="#">University of Technology Sydney</a> (20 June 2026)</p>
<p>QUANTUM COMPUTING <b>This Device Takes Photographs With a Single Atom What seems like a fun physics experiment could be a quantum computing life-saver</b></p>	<p>ROBOTS <b>Video Friday: Do Robots Even Need Legs? Your weekly selection of awesome robot videos</b></p>	<p>ROBOTS <b>Wellness Robots and the Path to Full Autonomy: A New Paradigm in AI-Powered Senior Care (Whitepaper)</b></p>	<p>SUSTAINABILITY <b>Scientists just found a hidden weakness in forever chemicals</b></p>

