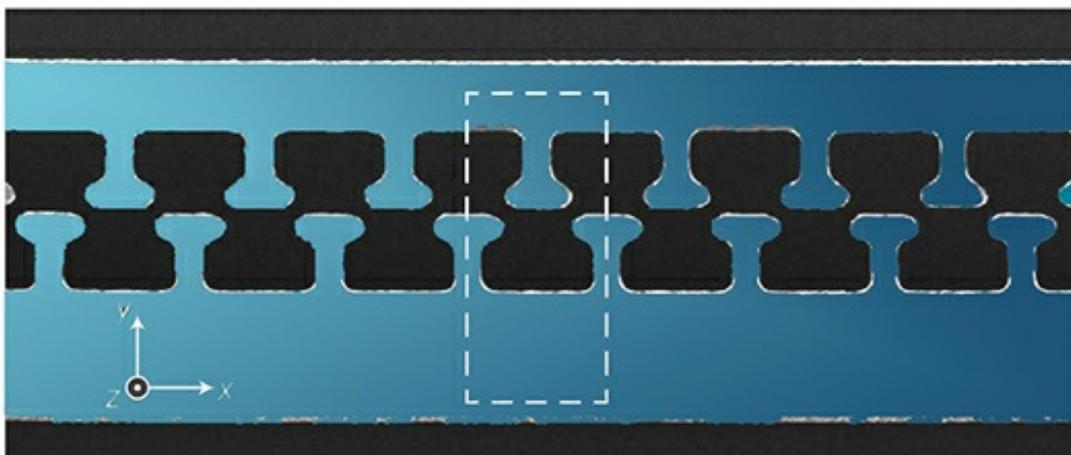




## Twice as bright: Earth-sized planets with two suns could still be habitable

A planet orbiting two stars could be habitable, despite the large variations in the amount of sunlight such planets would receive.

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## Mysterious 'Casimir force' harnessed in a silicon chip

Scientists are exploiting the tiny bit of energy in empty space to cause silicon plates to repel, potentially preventing micromachinery parts from sticking.

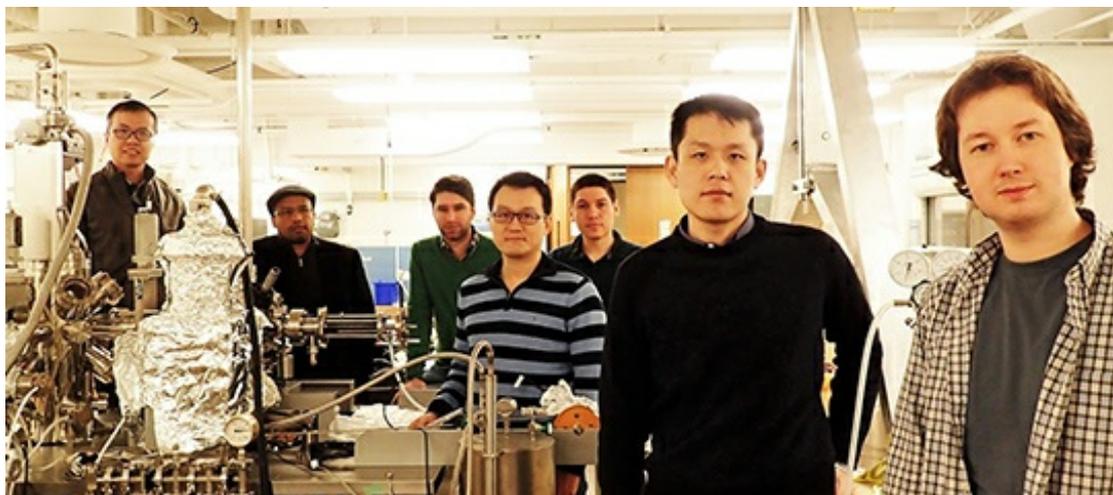
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### Tool for checking a complex new computer architecture reveals flaws

Researchers have discovered errors in the storage and retrieval of information from memory in a new open-source design for computer chips called RISC-V. The finding is already leading to changes in the design.

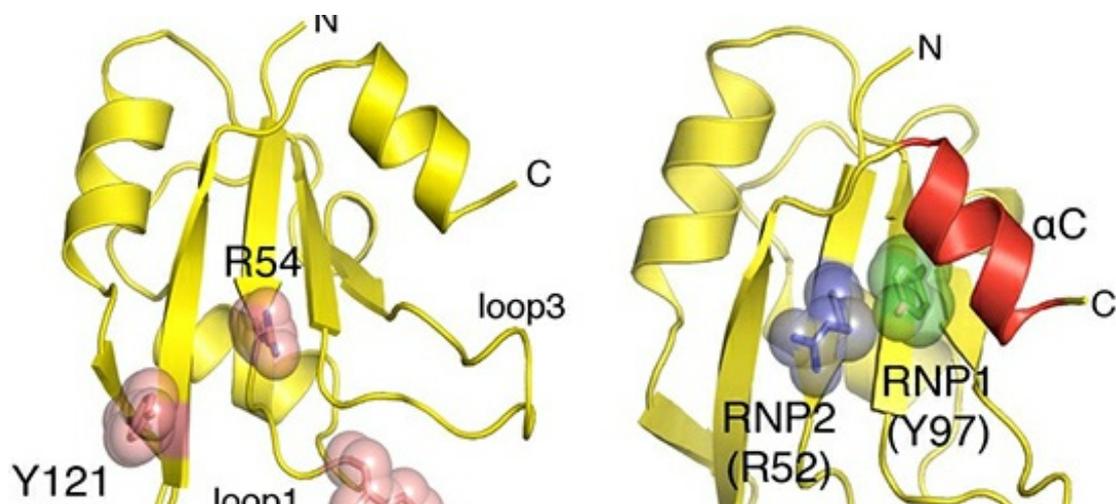
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### Artificial topological matter opens new research directions

By layering two topological materials in a structure, researchers can control the flow of electrons, suggesting a way to make circuits based on topological behaviors.

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### Study reveals the multitasking secrets of an RNA-binding protein

A new finding may help explain how RNA-binding proteins, implicated in cancer and neurodegenerative disease, perform many different functions in the cell.

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## Events

Free and open to the public



### **Princeton Research Day**

A campus-wide celebration of research and creative endeavors by the University's undergraduates, graduate students, postdoctoral researchers and other nonfaculty researchers.

**Frist Campus Center**

**Thursday, May 11, 10:30 a.m. to 5:00 p.m.**

### **Physicist Charles Kane will discuss how matter can arrange itself in ingenious ways**

Charles Kane, professor of physics at the University of Pennsylvania, will speak about how quantum mechanics enables the existence of topological phases of matter that can have both exotic and useful properties.

**Princeton University McDonnell Hall, Auditorium-02**

**Thursday, May 4, 8 p.m.**

### **Exhibition to focus on the black South and civil rights movement**

Julius Lester photographed the black South and portions of the civil rights movement from 1964-68, when he was a leader of the Student Nonviolent Coordinating Committee. This exhibition draws from his poignant urban and rural images and features portraits of young civil rights workers of that era, both known and unknown.

**Bernstein Gallery, Robertson Hall**

**April 14 - May 18**

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