



**RUTGERS**  
THE STATE UNIVERSITY  
OF NEW JERSEY

# Magic Angle Graphene: the Twist and Shout of Quantum Materials

**2026 Henry R. and  
Gladys V. Irons  
Public Lecture**

Tuesday, April 28,  
8:00 pm

\*Refreshments provided by Physics & Astronomy  
Department starting at 7:30pm\*

**Room 111, Science & Engineering  
Resource Center (SERC),  
Busch Campus,  
Rutgers University**

*Imagine taking the simplest ingredient—carbon—and thinning it down until it's only one atom thick to create graphene, a "wonder material" that has spent the last 20 years revolutionizing everything from electronics to basic physics.*

*Now, scientists have discovered that the real magic happens with a literal twist. By stacking two layers of graphene and rotating them to a specific "magic angle," we create mesmerizing moiré patterns—a visual effect originally used in 17th-century silk production—that transform the material's behavior.*

*This "Twist and Shout" of the quantum world allows us to unlock exotic phenomena like superconductivity and advanced magnetism in ways we never thought possible.*

*Join us for a journey into the beauty of these atomic structures to see how a simple mechanical nudge is paving the way for the next generation of revolutionary physics and technology.*

The Irons Lectures are free talks intended for the general public: high school students, college students, teachers, friends, neighbors, and anyone interested in science. The general public is cordially invited to this lecture, with free parking available in lots 53A, 64, 60A, 60B & 59. Here is a map of the building:

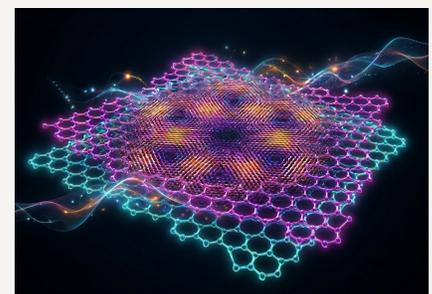
<https://go.rutgers.edu/qj9mvei4>

Guests needing parking must use the link below or QR code on the right to register for event parking: <https://tinyurl.com/yc6zvx7s>



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*Professor of Physics,  
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