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### [Spletno oglaševanje!](#)

Merljivo, kontekstualno in predvsem učinkovito. Klikni za

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### [Techniques like atomic](#)

Using computer simulations, Kral showed that weak molecular interactions called van der Waals [valentine's Day gifts on sale](#) forces between water nanodroplets and graphene can shape it into a wide variety of forms, without the water and graphene chemically binding.

Depending on the size of the water droplet and the shape and size of graphene flake used, we can fold it [Links of London Earrings](#) in different shapes for various applications,” said Kral. “It’s similar to the way proteins are folded in biological cells with the help of chaperone proteins.” Kral and his students discovered they could use water droplets to roll, bend, slide and shape graphene into different complex structures such as capsules, sandwiches, knots and rings — all potential building blocks of nanodevices with unique mechanical, electrical or optical properties.

By using special [Classic Oval Bangle](#) techniques like atomic force microscopy and carefully guided microscopic needles, water droplets and other materials can be carefully positioned on graphene to shape it into desired forms, he says. Kral’s laboratory is studying potential [Karabiner Bangle](#) uses of nanoscale graphene, such as ways to coat it with phospholipid molecules that would allow it to become part of biological cell membranes where it might perform specific functions.

His lab is also designing graphene sheet nanoscale pores that allow the building of novel ion and molecular separation membranes for use in desalination and other applications. While the materials he works with are inorganic,

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