

The logo graphic for GEMaC features a series of thin, grey, curved lines that sweep upwards from the left and downwards from the right, framing the text. The lines are more densely packed on the right side, creating a sense of motion or a stylized 'C' shape.

GEMaC

**Groupe d'Étude
de la Matière Condensée**

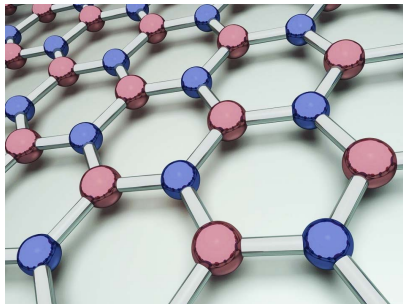
GEMAC JOINS THE EUROPEAN GRAPHENE FLAGSHIP

The University of Versailles St-Quentin-en-Yvelines joined the European Graphene Flagship research consortium.

The University of Versailles St-Quentin-en-Yvelines joined the European Graphene Flagship research consortium. The discovery of the exceptional electronic properties of this atomic layer where carbon atoms form a honeycomb network was rewarded by the Nobel Prize in Physics in 2010.

Today, the aim is to exploit graphene properties in components that can be industrialised at European level. Highly sensitive to their environment, graphene layers achieve their best electrical conductivity when sandwiched in hexagonal boron nitride (hBN) crystals (Figure below). Following its pioneering work on two-dimensional hBN crystals, the Diamond for Electronics team of GEMaC was selected to join the Flagship for its expertise in material characterization.

Contact: Julien Barjon



Atomic layer of BN

Graphene Flagship : <http://graphene-flagship.eu/>

Nobel Prize in Physics in 2010 : https://www.nobelprize.org/nobel_prizes/physics/laureates/2010/press.html