

CALL

for PAPERS

Due Date: September, 18, 2015

In his book *Design in Nature*, scientist Adrian Bejan states "When we raise our eyes and look around, we encounter a wondrous world of living drawings: birds and airplanes painted against an azure sky, pine trees and skyscrapers reaching for the heaven, rivers and roads snaking across the Earth's surface. If we take a closer and wider look at the same time, we also see how much these images have in common. Design happens all the time everywhere, not as the result of one mechanism but as the expression of a law of physics like Galileo's principle of gravitational fall and the laws of thermodynamics."

The 3rd issue of **JOUST** of The College of Engineering of the University of Puerto Rico at Mayagüez will be dedicated to design and its diverse manifestations in the fields of STEM.

Design Everywhere, Design is Everywhere!

From Cells to Cities

JOUST invites to submit research papers to highlight how much science is in your design process, and how much design is in your engineering or scientific methodology, project, or technological product.

Format:

- Papers should be up to 3000 words and must contain illustrations in accordance with the JOUST-Template (@ JOUST website)
- One graphical abstract (infographics)
- Cover Letter indicating (a) participation of undergraduate students, (b) all co-authors and affiliations, (c) funding and grants for the investigation (if applicable)

Suggested Topics, but not limited to:

- Synthetic Biology
- Drug Design
- Nanotechnology
- Experimental Design and Optimization
- Additive Manufacturing Processes / 3D Printing
- Material Science
- Robotics and Automation
- Biomimetics
- Resilient Design
- Intelligent Textiles
- Kinetic Structures
- Smart Networks

Find more information at:

<http://joustcontact.wix.com/joust-uprm>

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