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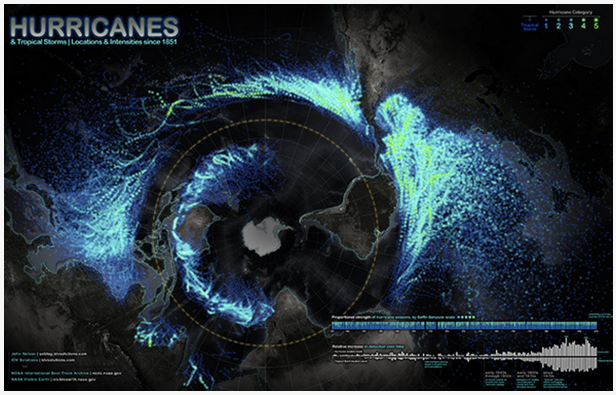
‘Places & Spaces: Mapping Science’ visualization exhibit and lecture series. SCHEDULE

by Alberto Cairo • September 6, 2014 • 8 Comments



Visualization by John Nelson

Starting on September 4th, the University of Miami will host **Places & Spaces: Mapping Science**, an exhibit of 100 visualizations intended to “inspire cross-disciplinary discussion on how to best track and communicate human activity and scientific progress on a global scale.”

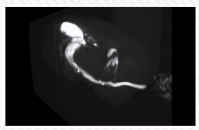
READ THE COMPLETE PRESS RELEASE (published 08.04.2014)

FEATURED POSTS

3D IMAGING, MEDICAL VISUALIZATION, SCIENTIFIC VISUALIZATION

Francis Collins praises medical visualization work by UM faculty

by Alberto Cairo • August 11, 2014



By **Vance Lemmon**

President Obama and the National

This unique and innovative exhibit is brought to UM by the **Center for Computational Science**, the **College of Arts and Sciences**, and the **School of Communication**. Half of the 100 visualizations will be displayed at the **Stanley and Jewell Glasgow Lecture Hall (map)** at the **School of Architecture**. The other half, and all the 3D and interactive elements, will be on the first and second floors of the **Richter Library**. (**map**)

During the Fall 2014 semester, several world-renowned visualization designers and researchers will present at the University of Miami. More information about these events will be available soon.

CONFIRMED SPEAKERS

Thursday, SEPTEMBER 4 – Katy Börner, keynote speaker at the inauguration. Stanley and Jewell Glasgow Hall at UM's School of Architecture. 6-8 P.M. Reception afterwards

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Thursday, SEPTEMBER 18 – **Manuel Lima**, on creative visualization and data art. Stanley and Jewell Glasgow Hall at UM's School of Architecture. 6-7 P.M.

—

Monday, SEPTEMBER 29 – **Adib Cure**, **Carie Penabad** and **Chris Mader**, on Mapping Informal Cities. Stanley and Jewell Glasgow Hall at UM's School of Architecture. 6-7 P.M. **SIGN UP**

Institutes of Health (NIH) recently launched the **BRAIN Initiative** to revolutionize our understanding of the human brain. Its main goal is to promote new technologies to visualize the complex connections between different parts of the central nervous system in normal conditions, during disease or after injury.

In relationship to this increased interest in studying the brain, NIH's director **Francis Collins** has hig hlighted visualization work done at the **Miami Project to Cure Paralysis** on his blog **(read the**

—

Thursday, OCTOBER 2 – A Conversation with **Nela Ochoa**, **Xavier Cortada**, and **Patricia Van Dalen** on how science inspires their art. CAS Wesley Gallery, 5:30 – 7:30 P.M. **SIGN UP**

—

Thursday, OCTOBER 9 – **Nigel Holmes**, Talk: "Funderstanding: Humor in information graphics." Stanley and Jewell Glasgow Hall at UM's School of Architecture. 6-7 P.M. **SIGN UP**

—

Wednesday, OCTOBER 22 – **Enrico Bertini**, Department of Computer Science, Ungar building, 230. 5-6 P.M.

—

Thursday, OCTOBER 23 – Stephen Few and **John Grimwade**, on visualization for effective communication. Stanley and Jewell Glasgow Hall at UM's School of Architecture. 6-8 P.M. **SIGN UP**

—

Sunday, NOVEMBER 9 – Family Day in partnership with the **Lowe Art Museum**. More details soon.

—

Thursday, NOVEMBER 13 – **Ruth West**, on Cross-Resonance in the Arts and Sciences. Richter Library, 3rd floor conference room. 6-7 P.M. **SIGN UP**

—

Monday, NOVEMBER 17 – Li Yi, on Data Mapping and 3D Visualization with GIS. Stanley

complete article.)

This project, **lead by Postdoc Xueting Luo and Assistant Professor Kevin Park**, exploited a revolutionary imaging method called **light-sheet fluorescent microscopy**. This type of microscopy allows visualization of intact tissues, like a mouse brain or rat spinal cord, or even whole animals. The Miami Project investigators used fluorescent tracers injected into the eye to study the connections to the brain in normal animals and animals with injuries to the optic nerve, a model of glaucoma. They discovered

and Jewell Glasgow Hall at UM's School of Architecture. 6-7 P.M.

—

Wednesday, NOVEMBER 19 – GIS Day, an All-Day event at the Richter Library, which will be wrapped up with the Places and Spaces seminar in the evening.

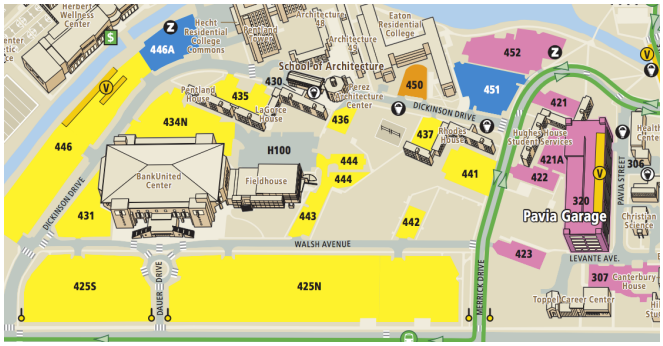
—

Sunday, DECEMBER 7 – Self-guided tours of the Exhibit as part of UM's Art Basel. Breakfast. More details soon.

—

Thursday, DECEMBER 11 – **Juhong Park**, keynote speaker in the closing ceremony; **Alberto Cairo**, speaker. Stanley and Jewell Glasgow Hall at UM's School of Architecture, 1st Floor. 6-8 P.M. Reception afterwards. **SIGN UP**

LOCATION OF THE SCHOOL OF ARCHITECTURE (see map in Google). Yellow parking lots are available for free starting at 4 P.M. every day. ***Recommended parking: Lots 435, 436, and 444.***



normal nerve fibers are straight and well organized in the optic nerve but after injury take very torturous paths and often make U-turns, growing the wrong way. In addition, after the regenerating axons enter the brain they get lost, growing to inappropriate targets.

LINK: Snapshots of Life: Seeing, from Eye to Brain, by Francis Collins

Watch the animation:

← Data Visualizations 'Worth a Million Words' Unveiled at UM

An interview with VisualComplexity's Manuel Lima →

8 comments for "'Places & Spaces: Mapping Science' visualization exhibit and lecture series. SCHEDULE"

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