XIM Internship

Position: X-Information Modeling (XIM) Internship.

Duration: June 1st - August 31st
(Specific start and end dates are flexible, although 3 months time commitment is preferable)

Qualifications:
- At least two year completion of MArch degree.
- Exceptional understanding of parametric design thinking. *(Interns should demonstrate their interest in parametric design through relevant projects or research in the interview.)*
- Basic to strong Grasshopper for Rhino skills. *(Interns will extensively use GH and its add-ons, along with GIS, Google Earth, Ecotect, Revit, etc.)*
- Basic knowledge of Adobe Photoshop, Illustrator, InDesign, and After Effects. *(Interns will extensively create animations and diagrams to communicate with relevant experts.)*
- Graphic ability to spatialize and represent both quantitative and qualitative metrics.

Job Description: Interns will work to develop X-Information Modeling, a system that strategically integrates diverse expertise to create a holistic approach to address economic, environmental, and social problems. We have been developing parametric tools to evaluate and visualize the performance of existing and proposed conditions throughout world cities. Interns will participate in the development of these tools (XIM elements) for use on KPF projects while also intensively researching the performance of various cities. Furthermore, using XIM elements and actively referencing parametric urban benchmarking, interns will experience the integrated process of creating, adapting and calibrating XIM systems.

Primary Tasks:
1. **XIM Library:** Refining and cataloguing developed XIM elements in a XIM library. Creating user manuals and videos for the use XIM elements for office wide use. Designing and cataloguing new XIM elements as needed for specific projects.
2. **Parametric Urban Benchmarking:** Creating a 3D, parametric version of the traditional figure ground urban comparisons in order to understand the experience of a city relative to its performance. Cities will be analyzed and benchmarked through various metrics such as demographics, densities, value, views, sky exposure, and environmental performance. Successful and unsuccessful urban areas will be benchmarked in various cities such as: New York City, London, Shanghai, Seoul, Hong Kong, and Singapore. Part of benchmarking will be creating the visualizing the representation that will allow for meaningful comparison and transformation.
3. **Designing with XIM:** Concurrent with the above tasks, interns will integrate XIM elements and apply them to ongoing CURE and KPF projects.

Information Session: A short presentation on XIM followed by questions and answers will be held 9am Friday, April 20th in 114 Avery.

Interviews: Interviews will be held Saturday, April 21 in 300 Avery starting at 10am. Please e-mail cv and sample portfolio to mpark@kpf.com and lwilson@kpf.com in addition to bringing hard copies to the interview. Animations or live demonstrations of parametric work will be appreciated. Interested applicants can sign up here for interviews.