

## Our customers

### **Ming-Ying Hsu, researcher in Taiwan**

*Favorite feature in OpticStudio: the software interface*

After obtaining advanced degrees in mechanical engineering from National Cheng Kung University, Hsu became a researcher for National Instrument Technology Research Center of National Applied Research Laboratories. He uses OpticStudio to pursue current research interests in optomechanics, thermal and fluid dynamics, finite element analysis, and optical engineering. Most recently, he has co-authored articles about FS5 sun exposure survivability and uniformity of LED light illumination in application to direct imaging lithography.

### **David Keith, independent consultant in optics and applied physics in the U.S.**

*Favorite feature in OpticStudio: All of it. It's his tool of choice for optical engineering.*

With degrees in physics and mathematics from the University of Oregon, Keith has worked in the design and manufacture of electronics measurement instrumentation, semiconductor and material science, liquid crystal technology, and projection optics. For the past 20 years, he's been an independent consultant, modeling physical systems using finite element analysis and designing optical systems for both imaging and non-imaging applications.

### **Shinichi Nagata, OpticStudio instructor in Japan**

*Favorite feature in OpticStudio: tolerancing*

Nagata graduated from the Department of Physics, Faculty of Science, at Nagoya University, and then went on to work in lens design for Dainippon Screen Mfg. Co., Ltd. and Mejiro Precision Inc. He discovered Zemax in 1995 when he sought recommendations for a better optical design software from colleagues. Two years later, Nagata founded Lensya Limited, and has since pursued his passion by helping students pursue their own, teaching them how to use OpticStudio to create innovative optical designs.

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### **Henning Rehn, physicist, optical engineer, R&D manager in Germany**

*Favorite feature in OpticStudio: Knowledgebase and Feature Finder*

Rehn is a member of the Optical Society of America; DGaO, the German branch of the European Optical Society; SPIE; and The Society for Information Display. He holds 40 patents and a PhD in Applied Optics. Currently, he serves as Principal Key Expert, Optical Design, at OSRAM, a multinational lighting manufacturer headquartered in Munich. He has worked at OSRAM for 12 years, first in projector lamp development and then in LED products. Before joining the company, he was an optical engineer and project manager at Carl Zeiss, a manufacturer of optical systems, industrial measurements, and medical devices.

### **Jeffrey P. Wilde, entrepreneur, professor, and optical design and research consultant in the U.S.**

*Favorite feature in OpticStudio: custom scripting language, along with the ability to directly interface with Matlab via extensions or the more recent API*

Wilde has 26 journal publications and 39 U.S. patents. He graduated from Stanford University with a PhD in Applied Physics, and is a member of IEEE and a senior member of the Optical Society of America. He co-founded Quinta Corporation and Capella Photonics, and currently serves as Consulting Professor and Research Consultant with Ginzton Laboratory in the Department of Electrical Engineering, Stanford University, where he participates in research on advanced fiber communication technologies and optical superresolution imaging. There, he also helped establish a program for X-ray phase-contrast imaging for security applications.