

# 2022 CSIG-VIS International Lecture Series 11

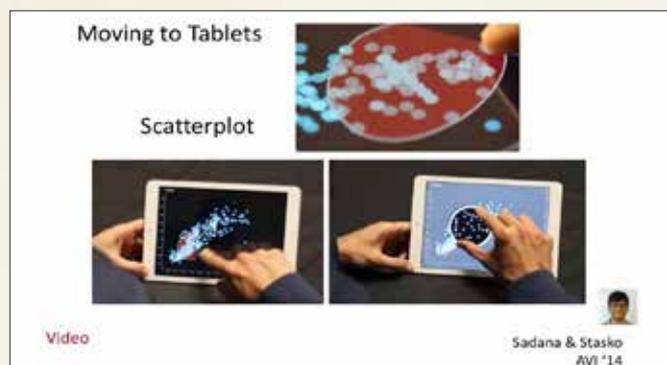
February 24, 2022 9:00-10:30  
Beijing time (UTC/GMT+08:00)  
<https://live.bilibili.com/24003948>



**Prof. John Stasko**  
Georgia Institute of Technology

**Designing Flexible and Natural Interfaces for  
Human-Data Interaction**

Until recently, most data visualization systems operated on desktop computers using a keyboard and mouse. However, computer displays now can be much smaller or larger than common desktop monitors, and they provide a more varied set of interaction devices and modalities. This talk reviews my group's research over the past 5-10 years in creating more flexible and natural interfaces for people to interact with data through visualization. I'll describe ways we sought to bring data visualization to touchscreen tablets and how we integrated multiple input modalities such as keyboard, pen, touch, and natural language within a visualization interface. Finally, I'll explore some additional possibilities for making human-data interaction even more flexible and powerful in the future.



John Stasko is a Regents Professor and the Interim Chair in the School of Interactive Computing at the Georgia Institute of Technology, where he has been on the faculty since 1989. He is a widely published and internationally recognized researcher in the areas of information visualization and visual analytics, approaching each from a human-computer interaction perspective. He has received Best Paper or Most Influential/Test of Time Paper awards from the IEEE InfoVis and VAST, ACM CHI, INTERACT, and ICSE conferences. He has been Papers/Program Co-Chair for the IEEE InfoVis and the IEEE VAST Conferences and has served on the editorial boards of IEEE Transactions on Visualization and Computer Graphics, ACM Transactions on Computer-Human Interaction, and Information Visualization. Stasko received the IEEE Visualization and Graphics Technical Committee (VGTC) Visualization Technical Achievement Award in 2012, and was named an ACM Distinguished Scientist in 2011, an IEEE Fellow in 2014, and a member of the ACM CHI Academy in 2016 and the IEEE VIS Academy in 2019.