

# The SONIC Speaker Series

*presents...*

**Large-scale analysis of bibliometric  
networks: Tools, techniques, and applications**

**Ludo  
Waltman**

Senior Researcher, Centre for  
Science and Technology Studies  
(CWTS) of Leiden University

This presentation will provide an overview of the research into bibliometric network analysis done at the CWTS. This includes a demonstration of the two software tools they've developed, VOSviewer and CitNetExplorer, and a presentation of large-scale applications of bibliometric network analysis.

*To read a full abstract and bio and  
to schedule a time to meet with the  
speaker, visit <http://bit.ly/sonicludo>*



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**SEP. 9 • 10 AM**

**SONIC Lab Room 1-459**

**Frances Searle  
Northwestern University  
Evanston Campus**

SONIC



advancing the  
science of networks in communities