



# **The Applied Probability Society of INFORMS**

*honors the WINNER of the*

## **2025 Best Publication Award**

# **Remco van der Hofstad**

**Eindhoven University of Technology**

*for the book*

van der Hofstad

**Random Graphs and Complex Networks: Volume 2**

*Cambridge University Press, 2024.*

Random Graphs and Complex Networks, Vol. 2, provides a standout text in network science research. Providing the first extensive treatment of local weak convergence in graphs, the work brings these modern tools to bear on a range of phenomena, including phase transitions, scaling limits, and the impact of network heterogeneity.

The treatment systematically develops local convergence theory, establishing novel global properties for a range of models, including the Stochastic Block Model, the General Inhomogeneous Random Graphs, the Configuration Model, and the Preferential Attachment model.

Beyond its technical contributions, the work is commended for its clarity, as well as for making significant strides to foster interdisciplinary connections between probability theory and a range of applications in computer science, statistical physics, and biology.

**INFORMS Annual Meeting 2025**