In this connected world, a vast ecosystem of digital tools and platforms is revolutionizing the research and publishing workflows for scientists and engineers. Choosing the right tools and developing best practices can improve researchers’ efficiency and impact under the increasingly collaborative research environment. This workshop will highlight an array of digital tools for research and how they connect to each other throughout the research lifecycle. For example, how brainstorming tools connect you to action plans; how databases connect you to reference management and note-taking; how electronic lab notebooks connect you to data management and sharing; how script-based data analysis and version control tools connect you to reproducible research; and how digital repositories and scholarly identity connect you to reusable publications and trackable impact etc. Through discussion and hands-on activities, you will learn to:

♦ Identify what tools can fill the gap between research activities and digital workflow
♦ Understand and apply a set of principles to select useful tools
♦ Cultivate good practices for reproducible and collaborative research

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Contact Ye for any questions or suggestions on the workshop series