

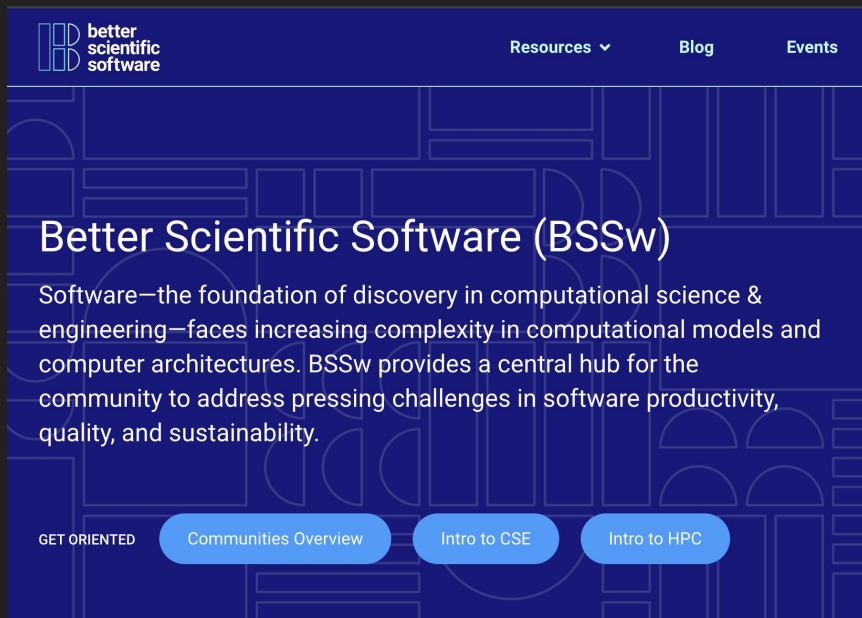
Code Review for Scientific Software

Joy and Pain

Helen Kershaw, NSF NCAR



How it started ...



The image shows a screenshot of the Better Scientific Software (BSSw) website. The background is a dark blue color with a faint, light blue geometric pattern of lines and shapes. In the top left corner, there is a logo consisting of a stylized 'B' made of vertical bars, followed by the text 'better scientific software'. In the top right corner, there are three navigation links: 'Resources' with a downward arrow, 'Blog', and 'Events'. The main content area features a large white heading 'Better Scientific Software (BSSw)'. Below the heading is a paragraph of text: 'Software—the foundation of discovery in computational science & engineering—faces increasing complexity in computational models and computer architectures. BSSw provides a central hub for the community to address pressing challenges in software productivity, quality, and sustainability.' At the bottom left, there is a small text 'GET ORIENTED' followed by three rounded rectangular buttons: 'Communities Overview', 'Intro to CSE', and 'Intro to HPC'.

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How it's going

[home](#) / [events](#) / code review for scientific software: experiences building an online tutorial

Webinar

Code Review for Scientific Software: Experiences building an online tutorial

Series: [HPC Best Practices Webinars](#)

2024

Mar 20

1:00 pm - 2:00 pm EDT

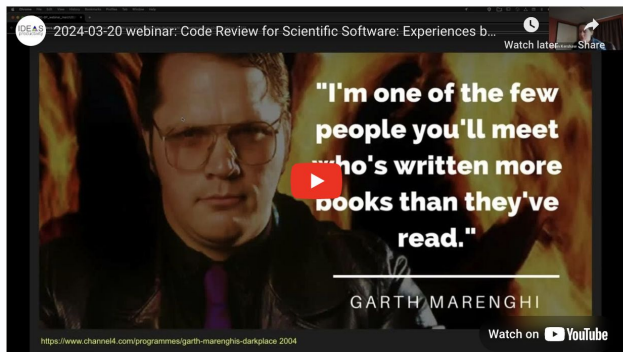
Location: Online

[Recording](#) (YouTube)

[Slides](#) (PDF)

[Q&A](#) (PDF)

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[Code-review.org](#) is an online tutorial for code review made possible by the [Better Scientific Software Fellowship](#). Code review is a skill. You can break it down, you can practice, and you can get better at it. The difficulty is you are often learning a bunch of other skills at the same time. Scientists are often working on a new scientific problem while trying to learn git, GitHub, a programming language, etc., all while someone 'criticizes' their code. In addition, scientific software developers may start work in a new and unfamiliar domain. It can be very difficult to separate criticism of the code from criticism of the person. Reviewing is hard; people truly need to take into account how to communicate constructive and ac-

code-review.org

Finding Community