

## **SOS27: Abstract for session “HPC Software Sustainability and Stewardship”**

This session explores the important role of developing and maintaining sustainable software within the rapidly evolving of high-performance computing (HPC) landscape. Speakers will share insights on best practices, methodologies, and cutting-edge technologies that ensure the longevity of HPC software while optimizing scalability, performance, and usability for complex scientific workloads across increasingly sophisticated heterogeneous hardware environments. Talks in this session will address both the challenges and innovative solutions in software stewardship, focusing on critical areas such as reproducibility, community engagement, and technology transfer. Additionally, the session will highlight key obstacles, contributing factors, and emerging opportunities within the field. Attendees can expect a thought-provoking experience that offers valuable perspectives and actionable strategies, empowering them to ensure that the HPC software ecosystem not only meets current demands but also evolves to harness future technological advancements.