SecDev is distinguished by its focus on how to “build security in” (and not simply discover the absence of security). Its goal is to encourage and disseminate ideas for secure system development among both academia and industry. Developers have valuable experiences and ideas that can inform academic research, and researchers have concepts, studies, and even code and tools that could benefit developers. We anticipate that attendees from academic conferences like IEEE S&P, USENIX Security, PLDI, FSE, ISSTA, SOUPS, and many others could contribute ideas to SecDev, as could attendees of industrial conferences like AppSec, RSA, Black Hat, and Shmoocon.

IEEE Cybersecurity Development
SecDev 2016

Prioritizing Security Innovation in Design and Development
November 3, 4  Boston, MA

Understanding Security Failures
Day 1, A.M.
The morning of the first day will address failures of computer security and the global implications for people, devices, companies, and the economy. Entire economies can be negatively impacted by failures in key resources, for example power distribution systems and banking systems. We will try to cover portions of all of these.

Building Security In
Day 1, P.M.
The afternoon session will focus on solutions to commonly-encountered security problems. We’ll start by looking at the state of software and hardware security: What are the best practices followed by industry, and what are the known good secure-design patterns? We will explore design and implementation of security.

Recent Research in Cybersecurity
Day 2, A.M.
The morning of the second day will cover more recent research in these areas. These papers will be selected from those submitted to the conference by the program committee assembled by Michael Hicks of the University of Maryland.

Tutorials and Hands-on
Day 2, P.M.
The afternoon of the second day attendees will be able to select from amongst several parallel tutorial sessions. These will be a mix of tools curated by the tutorial chair, Stelios Sidiroglou-Douskos, and are representative of the core secure-development principles used in industry and academia today.

For more information: secdiev.ieee.org