

Collaboration Methodologies and Best Practices for IP Development and SoC Design

Dennis Harmon
Synchronicity, Inc

Abstract

Design productivity is a key area of differentiation and competitive advantage for companies competing in the electronics industry. Central to increasing design productivity is improvements in process and methodology. At the core of any world class design process and methodology is the use of “best practices”.

When combined with the right development infrastructure or “collaboration platform”, best practices help manage and control the complex flow of design content and capture and communicate design intent throughout the development process. Through the use of best practices and the application of the technology required to implement them, electronic companies can dramatically reduce costly errors created by poor process and the lack of a structured methodology. This keynote address will define “best practices”, discuss the use of a commercial collaboration platform to help implement them, and explain how together they can increase the overall design productivity for IP development and SoC design.