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Execution architecture views for evolving software-intensive systems

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About the Author



Trosky Boris Callo Arias was born in Sicuani, Cusco, Peru. He received an Engineer's degree in informatics and systems from Universidad Nacional San Antonio Abad del Cusco-Peru in 2001. In September 2003, he moved to Sweden to study at the Computer science department of Gteborg University, where he obtained a Master's degree in computer science with focus on how to develop dependable, i.e. reliable, secure, and safety software systems. In August 2006, he joined the Software Engineering and Architecture research group of University of Groningen.

He worked as a Ph.D. researcher within the software architecture team of the MRI division in Philips Healthcare and the Embedded System Institute in Eindhoven, The Netherlands. His recent achievements include the development and deployment of a reverse architecting approach to describe and analyze the runtime architecture of the Philips MRI system, a representative large and complex software-intensive system in the healthcare domain. The reverse engineering and architecture research communities have awarded his research results in 2008 and 2009. In addition, the ISO/IEC 42010 standard: Recommended Practice for Architectural Description of Software-Intensive Systems, refers to his work as a representative example for researchers and practitioners.

He has being involved in a number of medium, large, and multidisciplinary projects including the research and development of healthcare complex systems, large-scale distributed and client-server architectures, and web-based e-commerce solutions. His professional interest includes the architecture and design of software solutions for high-tech products, embedded systems, and distributed systems.