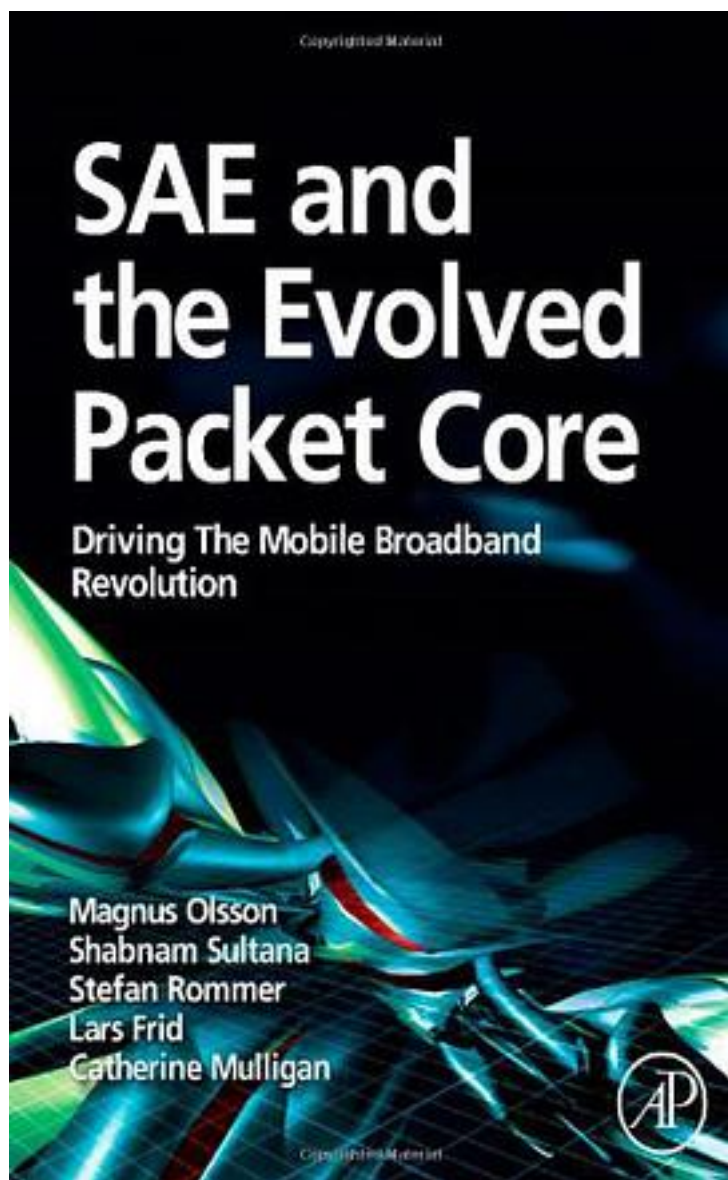


SAE and the Evolved Packet Core



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This book provides a clear, concise, complete and authoritative introduction to System Architecture Evolution (SAE) standardization work and its main outcome: the Evolved Packet Core (EPC), including potential services and operational scenarios. After providing an insightful overview of SAE's historical development, the book gives detailed explanations of the EPC architecture and key concepts as an introduction. In-depth technical descriptions of EPC follow, including thorough functional accounts of the different components of EPC, protocols, network entities and procedures. Case studies of deployment scenarios show how the functions described within EPC are placed within a live network context, while a description of the services that are predicted to be used shows what EPC as a core network can enable. This book is an essential resource for professionals and students who need to understand the latest developments in SAE and EPC, the 'engine' that connects broadband access to the internet. All of the authors have from their positions with Ericsson been actively involved in GPRS, SAE and 3GPP from a business and technical perspective for many years. Several of the authors have also been actively driving the standardization efforts within 3GPP. "There is no doubt that this book, which appears just when the mobile industry starts its transition away from legacy GSM/GPRS and UMTS networks into the future will become the reference work on SAE/LTE. There are no better qualified persons than the authors of this book to provide both communication professionals and an interested general public with insights into the inner workings of SAE/LTE. Not only are they associated with one of the largest mobile network equipment vendors in the world, they have all actively contributed to and, in some cases, been the driving forces behind the development of SAE/LTE within 3GPP." - from the foreword by Dr. Ulf Nilsson, TeliaSonera R&D, Mobility Core and Connectivity "The authors have done an excellent job in writing this book. Their familiarity with the requirements, concepts and solution alternatives, as well as the standardization work allows them to present the material in a way that provides easy communication between Architecture and Standards groups and Planning/ Operational groups within service provider organizations." - from the foreword by Dr. Kalyani Bogineni, Principal Architect, Verizon

Up-to-date coverage of SAE including the latest standards development

Easily accessible overview of the architecture and concepts defined by SAE

Thorough description of the Evolved Packet Core for LTE, fixed and other wireless accesses

Comprehensive explanation of SAE key concepts, security and Quality-of-Service

Covers potential service and operator scenarios including interworking with existing 3GPP and 3GPP2 systems

Detailed walkthrough of network entities, protocols and procedures

Written by established experts in the SAE standardization process, all of whom have extensive experience and understanding of its goals, history and vision

作者介绍:

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评论

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书评

在读过的众多英文通信专业书籍中，来自爱立信的作者的确能够做到深入浅出，驾轻就熟！因为作者也是制订3GPP相关标准的参与者，所以对SAE规范的来龙去脉交待的非常清楚。

我本人的工作是立足于接入网的角度，但是读过此书后强烈推荐做接入网的同行们也来读一下这本书。这本书...

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