Call for Book Chapters

"Cloud and Fog Computing in 5G Mobile Networks: Emerging Advances and Applications"

Editors

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The book will present frameworks and schemes of Cloud and Fog paradigms for their proper exploitation in emerging mobile networking architectures. Topics such as Internet of Things, wireless sensor networks, Peer-to-Peer networks, Software Defined Networking and Network Function Virtualization schemes under the 5G mobile computing era will be covered, incorporating the latest technologies in the mobile devices and wireless networking systems. In addition, the scope of this book is to present other related paradigms for the 2020 timeframe on 5G mobile computing, including scalable types of connectivity services, in terms of higher bandwidth rates and network capacities, increased and reliable security schemes, lower latency techniques for delay-sensitive services provision and higher energy conservation for the mobile devices battery life. Evolving radio-access technologies (RATs), as well as new 5G access technologies will be included in the book as a part of flexible mobile computing systems. Support will exist for cross-domain integration and multi-RAT environments.

Topics of interest include but are _not limited_ to:

- Cloud computing schemes in emerging mobile networks
- Fog computing mechanisms in 5G mobile networks
- Frameworks for mobile devices to efficiently handle storage, computation and control issues
- Networking architectures for 5G mobile networks
- Emerging Mobile Peer-to-Peer networks and schemes
- Internet of Things in 5G mobile computing

- Emerging mobile computing and networking ecosystems
- Energy-efficient schemes in 5G mobile networks
- Mobile cloud computing schemes
- Resource management in 5G mobile networks
- Software-defined networking (SDN) in emerging mobile computing environments
- Network Functions Virtualization (NFV) in emerging mobile computing architectures
- Test-beds and prototypes of 5G mobile networking architectures

We strongly welcome <u>other topic suggestions,</u> dealing with Cloud and Fog Computing in emerging mobile computing environments.

Schedule & Deadlines

- **1st October 2015**
  Chapter proposal (max. 2-pages)/Intention to submit a chapter via Easychair:
  https://easychair.org/conferences/?conf=fog5g
- **30th November 2015**
  Full chapter submission via Easychair:
  https://easychair.org/conferences/?conf=fog5g
- **28th February 2016**
  Review comments
- **30th April 2016**
  Submission of the revised version
- **31st May 2016**
  Final acceptance notification

Manuscript Preparation

- Please follow the manuscript formatting guidelines below to submit the original version in *Microsoft Word* or *LaTex* format:

  http://www.cs.unic.ac.cy/cmavrom/IETBook/AuthorGuidev1.0.pdf

  http://www.cs.unic.ac.cy/cmavrom/IETBook/IETLaTex_Readme.docx

  http://www.cs.unic.ac.cy/cmavrom/IETBook/IETLaTex_template.zip

- Each final manuscript should be 20-25 pages long (formatted). Depending on the number of submissions, longer manuscripts will be also accepted.
- Submission via Easychair: https://easychair.org/conferences/?conf=fog5g