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Stefan Parkvall

Publications	**65**
Publication Years Also published under: S. Parkvall	**1994 - 2020**

Co-Authors:
David Astely, Kumar Balachandran, Robert Baldemair, P. Beming, **View All (107)**

Stefan Parkvall

Also published under: S. Parkvall

Affiliation
Ericsson Research Ericsson,Stockholm,Sweden

Publication Topics
3G mobile communication, 5G mobile communication, radio access networks, 4G mobile communication, 6G mobile communication, Long Term Evolution, learning
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Biography
Stefan Parkvall [F] (stefan.parkvall@ericsson.com) is a principal researcher at Ericsson Research, active in 5G research and 3GPP standardization. He received his Ph.D. degree from the Royal Institute of Technology in 1996, served as an IEEE Distinguished Lecturer 2011–2012, and is a co-author of several popular books such as 4G, LTE-Advanced Pro and the Road to 5G. He received the Ericsson Inventor of the Year award and was nominated for the European Inventor Award for contributions to LTE. *(Based on document published on 15 March 2018).*

Publications	**65**
Publication Years	**1994 2020**

Co-Authors:

Jeffrey Andrews
David Astely
Kumar Balachandran
Robert Baldemair
P. Beming

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Publications

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From: 1994   To: 2020

Author ∨

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2020 2nd 6G Wireless Summit (6G SUMMIT)
Year: 2020 | Conference Paper | Publisher: IEEE
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Challenges and Technologies for 6G

Gustav Wikström | Janne Peisa | Patrik Rugeland | Nicklas Johansson | Stefan Parkvall | Maksym Girnyk | Gunnar Mildh | Icaro Leonardo Da Silva
2020 2nd 6G Wireless Summit (6G SUMMIT)
Year: 2020 | Conference Paper | Publisher: IEEE

☐ **5G Evolution and Beyond**
Erik Dahlman ; Stefan Parkvall ; Janne Peisa ; Hugo Tullberg
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Year: 2019 | Conference Paper | Publisher: IEEE
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☐ **Artificial Intelligence in Future Evolution of Mobile Communication**
Erik Dahlman ; Stefan Parkvall ; Janne Peisa ; Hugo Tullberg ; Hideshi Murai ; Masanobu Fujioka
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Year: 2019 | Conference Paper | Publisher: IEEE
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Artificial Intelligence in Future Evolution of Mobile Communication

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☐ **NR - The New 5G Radio-Access Technology**
Erik Dahlman ; Stefan Parkvall
2018 IEEE 87th Vehicular Technology Conference (VTC Spring)
Year: 2018 | Conference Paper | Publisher: IEEE
Cited by: Papers (5)
Abstract   (316 Kb)

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☐ **5G Experimental Trial Achieving over 20 Gbps Using Advanced Multi-Antenna Solutions**

Kiichi Tateishi ; Daisuke Kurita ; Atsushi Harada ; Yoshihisa Kishiyama ; Shoji Itoh ; Hideshi Murai ; Stefan Parkvall ; Johan Furuskog ; Peter Naucler

2016 IEEE 84th Vehicular Technology Conference (VTC-Fall)

Year: 2016 | Conference Paper | Publisher: IEEE

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5G Experimental Trial Achieving over 20 Gbps Using Advanced Multi-Antenna Solutions

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Year: 2016 | Conference Paper | Publisher: IEEE

☐ **Why to decouple the uplink and downlink in cellular networks and how to do it**

Federico Boccardi ; Jeffrey Andrews ; Hisham Elshaer ; Mischa Dohler ; Stefan Parkvall ; Petar Popovski ; Sarabjot Singh

IEEE Communications Magazine

Year: 2016 | Volume: 54, Issue: 3 | Magazine Article | Publisher: IEEE

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Why to decouple the uplink and downlink in cellular networks and how to do it

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Year: 2016 | Volume: 54, Issue: 3 | Magazine Article | Publisher: IEEE

☐ **5G Wireless Access - Trial Concept and Results**

Stefan Parkvall ; Johan Furuskog ; Yoshihisa Kishiyama ; Atsushi Harada ; Takehiro Nakamura ; Peter Naucler ; Bjorn Halvarsson

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☐ **Field Experiments on 5G Radio Access Using Multi-Point Transmission**

Daisuke Kurita ; Kiichi Tateishi ; Atsushi Harada ; Yoshihisa Kishiyama ; Stefan Parkvall ; Erik Dahlman ; Johan Furuskog

2015 IEEE Globecom Workshops (GC Wkshps)

Year: 2015 | Conference Paper | Publisher: IEEE

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Stefan Parkvall ; Johan Furuskog ; Yoshihisa Kishiyama ; Atsushi Harada ;
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Year: 2015 | Conference Paper | Publisher: IEEE
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small cell environment**
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2015 IEEE 26th Annual International Symposium on Personal, Indoor, and
Mobile Radio Communications (PIMRC)
Year: 2015 | Conference Paper | Publisher: IEEE
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Field experiments on 5G radio access using 15-GHz band in
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Year: 2015 | Conference Paper | Publisher: IEEE

☐ **Ultra-dense networks in millimeter-wave frequencies**
Robert Baldemair ; Tim Irnich ; Kumar Balachandran ; Erik Dahlman ;
Gunnar Mildh ; Yngve Selén ; Stefan Parkvall ; Michael Meyer ; Afif Osseiran
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Year: 2015 | Volume: 53, Issue: 1 | Magazine Article | Publisher: IEEE
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Ultra-dense networks in millimeter-wave frequencies

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Year: 2015 | Volume: 53, Issue: 1 | Magazine Article | Publisher: IEEE

☐ **Advanced antenna solutions for 5G wireless access**
Erik Dahlman ; Stefan Parkvall ; David Astély ; Hugo Tullberg
2014 48th Asilomar Conference on Signals, Systems and Computers
Year: 2014 | Conference Paper | Publisher: IEEE
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Advanced antenna solutions for 5G wireless access

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Random access preamble format for systems with many antennas

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Year: 2014 | Conference Paper | Publisher: IEEE

☐ **Device-to-Device Communications for National Security and Public Safety**
    Gabor Fodor ; Stefan Parkvall ; Stefano Sorrentino ; Pontus Wallentin ;
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    Year: 2014 | Volume: 2 | Journal Article | Publisher: IEEE
    Cited by: Papers (89) | Patents (1)
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