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Stefan Parkvall	65
Publications	
Publication Years	1994 - 2020
Publications under: S. Parkvall	

Co-Authors:



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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2020 2nd 6G Wireless Summit (6G SUMMIT)
 Year: 2020 | Conference Paper | Publisher: IEEE
 Abstract (510 Kb)

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

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1994 2020

From To
1994 2020

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5G Evolution and Beyond

Erik Dahlman ; Stefan Parkvall ; Janne Peisa ; Hugo Tullberg
 2019 IEEE 20th International Workshop on Signal Processing Advances in Wireless Communications (SPAWC)
 Year: 2019 | Conference Paper | Publisher: IEEE
 Cited by: Papers (1)
 Abstract (180 Kb)

5G Evolution and Beyond

Erik Dahlman | Stefan Parkvall | Janne Peisa | Hugo Tullberg
 2019 IEEE 20th International Workshop on Signal Processing Advances in Wireless Communications (SPAWC)
 Year: 2019 | Conference Paper | Publisher: IEEE

Artificial Intelligence in Future Evolution of Mobile Communication

Erik Dahlman ; Stefan Parkvall ; Janne Peisa ; Hugo Tullberg ; Hideshi Murai ; Masanobu Fujioka
 2019 International Conference on Artificial Intelligence in Information and Communication (ICAIC)
 Year: 2019 | Conference Paper | Publisher: IEEE
 Cited by: Papers (2)
 Abstract (119 Kb)

Artificial Intelligence in Future Evolution of Mobile Communication

Erik Dahlman | Stefan Parkvall | Janne Peisa | Hugo Tullberg | Hideshi Murai | Masanobu Fujioka
 2019 International Conference on Artificial Intelligence in Information and Communication (ICAIC)
 Year: 2019 | Conference Paper | Publisher: IEEE

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)

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

NR: The New 5G Radio Access Technology

Stefan Parkvall ; Erik Dahlman ; Anders Furuskar ; Mattias Frenne
 IEEE Communications Standards Magazine
 Year: 2017 | Volume: 1, Issue: 4 | Magazine Article | Publisher: IEEE
 Cited by: Papers (94)
 Abstract (200 Kb)

NR: The New 5G Radio-Access Technology

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IEEE Communications Standards Magazine
Year: 2017 | Volume: 1, Issue: 4 | Magazine Article | Publisher: IEEE

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 Naucner
2016 IEEE 84th Vehicular Technology Conference (VTC-Fall)
Year: 2016 | Conference Paper | Publisher: IEEE
Cited by: Papers (10)

Abstract (673 Kb)

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 Naucner
2016 IEEE 84th Vehicular Technology Conference (VTC-Fall)
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
Cited by: Papers (91) | Patents (1)

Abstract (202 Kb)

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

5G Wireless Access - Trial Concept and Results

Stefan Parkvall ; Johan Furuskog ; Yoshihisa Kishiyama ; Atsushi Harada ; Takehiro Nakamura ; Peter Naucner ; Bjorn Halvarsson
2015 IEEE Global Communications Conference (GLOBECOM)
Year: 2015 | Conference Paper | Publisher: IEEE
Cited by: Papers (4)

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5G Wireless Access - Trial Concept and Results

Stefan Parkvall | Johan Furuskog | Yoshihisa Kishiyama | Atsushi Harada | Takehiro Nakamura | Peter Naucner | Bjorn Halvarsson
2015 IEEE Global Communications Conference (GLOBECOM)
Year: 2015 | Conference Paper | Publisher: IEEE

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
Cited by: Papers (23)

Abstract (517 Kb)

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

Daisuke Kurita | Kiichi Tateishi | Atsushi Harada | Yoshihisa Kishiyama | Stefan

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Year: 2015 | Conference Paper | Publisher: IEEE

A Trial System for 5G Wireless Access

Stefan Parkvall ; Johan Furuskog ; Yoshihisa Kishiyama ; Atsushi Harada ;
Takehiro Nakamura ; Erik Dahlman ; Qiang Zhang
2015 IEEE 82nd Vehicular Technology Conference (VTC2015-Fall)
Year: 2015 | Conference Paper | Publisher: IEEE
Cited by: Papers (16)

Abstract (583 Kb)

A Trial System for 5G Wireless Access

Stefan Parkvall | Johan Furuskog | Yoshihisa Kishiyama | Atsushi Harada |
Takehiro Nakamura | Erik Dahlman | Qiang Zhang
2015 IEEE 82nd Vehicular Technology Conference (VTC2015-Fall)
Year: 2015 | Conference Paper | Publisher: IEEE

Field experiments on 5G radio access using 15-GHz band in outdoor small cell environment

Kiichi Tateishi ; Daisuke Kunta ; Atsushi Harada ; Yoshihisa Kishiyama ;
Stefan Parkvall ; Erik Dahlman ; Johan Furuskog
2015 IEEE 26th Annual International Symposium on Personal, Indoor, and
Mobile Radio Communications (PIMRC)
Year: 2015 | Conference Paper | Publisher: IEEE
Cited by: Papers (22)

Abstract (763 Kb)

Field experiments on 5G radio access using 15-GHz band in outdoor small cell environment

Kiichi Tateishi | Daisuke Kunta | Atsushi Harada | Yoshihisa Kishiyama | Stefan
Parkvall | Erik Dahlman | Johan Furuskog
2015 IEEE 26th Annual International Symposium on Personal, Indoor, and
Mobile Radio Communications (PIMRC)
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
IEEE Communications Magazine
Year: 2015 | Volume: 53, Issue: 1 | Magazine Article | Publisher: IEEE
Cited by: Papers (135)

Abstract (170 Kb)

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
IEEE Communications Magazine
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
Cited by: Papers (7)

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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

Henrik Sahlin ; Stefan Parkvall ; Mattias Frenne ; Peter Nauc ler
 2014 IEEE Globecom Workshops (GC Wkshps)
 Year: 2014 | Conference Paper | Publisher: IEEE
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Random access preamble format for systems with many antennas

Henrik Sahlin | Stefan Parkvall | Mattias Frenne | Peter Nauc ler
 2014 IEEE Globecom Workshops (GC Wkshps)
 Year: 2014 | Conference Paper | Publisher: IEEE

Device-to-Device Communications for National Security and Public Safety

Gabor Fodor ; Stefan Parkvall ; Stefano Sorrentino ; Pontus Wallentin ;
 Qianxi Lu ; Nadia Brahmi

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Year: 2014 | Volume: 2 | Journal Article | Publisher: IEEE

Cited by: Papers (89) | Patents (1)

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Device-to-Device Communications for National Security and Public Safety

Gabor Fodor | Stefan Parkvall | Stefano Sorrentino | Pontus Wallentin | Qianxi Lu | Nadia Brahmi
 IEEE Access

Year: 2014 | Volume: 2 | Journal Article | Publisher: IEEE

5G wireless access: requirements and realization

Erik Dahlman ; Gunnar Mildh ; Stefan Parkvall ; Janne Peisa ; Joachim Sachs ; Yngve Sel n ; Johan Sk ld

IEEE Communications Magazine

Year: 2014 | Volume: 52, Issue: 12 | Magazine Article | Publisher: IEEE

Cited by: Papers (196)

Abstract (691 Kb)

5G wireless access: requirements and realization

Erik Dahlman | Gunnar Mildh | Stefan Parkvall | Janne Peisa | Joachim Sachs | Yngve Sel n | Johan Sk ld
 IEEE Communications Magazine

Year: 2014 | Volume: 52, Issue: 12 | Magazine Article | Publisher: IEEE

Future Wireless Communications

Robert Baldemair ; Erik Dahlman ; Stefan Parkvall ; Yngve Selen ; Kumar Balachandran ; Tim Irnich ; Gabor Fodor ; Hugo Tullberg

2013 IEEE 77th Vehicular Technology Conference (VTC Spring)

Year: 2013 | Conference Paper | Publisher: IEEE

Cited by: Papers (6)

Abstract (526 Kb)

Future Wireless Communications

Robert Baldemair | Erik Dahlman | Stefan Parkvall | Yngve Selen | Kumar Balachandran | Tim Irnich | Gabor Fodor | Hugo Tullberg

2013 IEEE 77th Vehicular Technology Conference (VTC Spring)

Year: 2013 | Conference Paper | Publisher: IEEE

Future wireless access small cells and heterogeneous deployments

Erik Dahlman ; Konstantinos Dimou ; Stefan Parkvall ; Hugo Tullberg

ICT 2013

Year: 2013 | Conference Paper | Publisher: IEEE

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