

NB-IoT devices should be available for over 10

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Open Access Article

## **Position Fingerprint-Based Beam Selection in Millimeter Wave Heterogeneous Networks (/1424-8220/17/9/2009)**

by [Zufan Zhang \(/search?authors=Zufan%20Zhang&orcid=0000-0001-5315-2065\)](#) and

[Yanbo Chen \(/search?authors=Yanbo%20Chen&orcid=\)](#)

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[PDF Full-text \(/1424-8220/17/9/2009/pdf\)](#) (662 KB) | [HTML Full-text \(/1424-8220/17/9/2009/htm\)](#) | [XML Full-text \(/1424-8220/17/9/2009/xml\)](#)

#### **Abstract**

The traditional beam selection algorithms determine the optimal beam direction by feeding back the perfect channel state information (CSI) in a millimeter wave (mmWave) massive Multiple-Input Multiple-Output (MIMO) system. Popular beam selection algorithms mostly focus on the methods of feedback and exhaustive search.

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(This article belongs to the Special Issue [Recent Advances in Array Signal Processing and Its Applications in IoT Security \(/journal/sensors/special\\_issues/signal\\_processing\\_1oT\)](#))

#### ► **Figures**

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## **A Survey on Data Quality for Dependable Monitoring in Wireless Sensor Networks (/1424-8220/17/9/2010)**

by [Gonçalo Jesus \(/search?authors=Gon%C3%A7alo%20Jesus&orcid=0000-0002-8431-3877\)](#),

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[Anabela Oliveira \(/search?authors=Anabela%20Oliveira&orcid=\)](#)

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