

[Job Description]

Post-Doctor Fellowship in Wireless Research & Standardization
(NEC Laboratories China)

* Job Title:

Post-Doctor Fellow in Wireless Research & Standardization
Joint Program of NEC-CAS (Chinese Academy of Science)

* Company & Location:

NEC Laboratories China
Beijing, China

* Reporting Line:

Report to the Department Head of Wireless Communications
NEC Laboratories China

* Major Benefits:

(1) Beijing Hukou (北京户口)

After finalizing the post-doc program, Beijing Hukou (北京户口) will be granted to the candidate and his/her family members (including spouse and direct offsprings).

(2) Industry experiences enrichment

The candidate will participate in industry projects especially on international standardization (3GPP, IEEE 802.xx, WiGig, etc.) and product-level design and evaluation.

(3) Opportunity to become RSM (Research Staff Member) of NEC Laboratories

The candidate has the opportunity to become Research Staff Member of NEC Laboratories after finalizing the post-doctor program.

(4) International & domestic travels

The candidate is encouraged to publish papers at prestigious international conferences and journals.

* Responsibilities:

(1) Conduct R&D in wireless communications (especially LTE-advanced)

Specific topics include MIMO, beamforming, OFDM/OFDMA, SC-FDMA, CoMP (coordinated multi-point), relay, channel coding, multi-user scheduling, radio resource management, heterogeneous networking, cross-layer optimization in 4G areas, especially LTE-advanced.

(2) Contribute to standardization (international & domestic)

Candidates are expected to make technical contributions to the international standardization, e.g., 3GPP LTE / LTE-advanced & IEEE, and domestic standardization in China.

(3) Apply for IPR and publish research paper

Candidates are expected to apply for international or domestic patents, publish research papers in prestigious conferences and journals.

* Requirements:

(1) Ph.D. degree in EE (electrical engineering), CS (computer science) or related areas

(2) Solid background in wireless communications & networking

Solid background in wireless communications and networking is required. Specifically, expertise in one or more of the following areas: 3GPP LTE / LTE-advanced, WLAN (802.11), WiMAX (802.16), is preferred.

(3) Creative & Self-motivated

(4) Good records of publication, patents & contributions to international standardization

(5) Excellent programming skills in C/C++, Matlab or OPNET

(6) Good understanding of SLS (system level simulation) and LLS (link level simulation)

(7) Fluency in English is a must
Working language is English.

* Contact:
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