

## 参与者 简历

袁鑫，贝尔实验室（美国），研究员

**教育经历（从大学本科开始，按时间倒序排序；请列出攻读研究生学位阶段导师姓名）：**

1. 2009/09-2012/04，香港理工大学（Hong Kong Polytechnic University），电子与资讯工程系，博士，导师：Kainam Thomas Wong
2. 2003/09-2009/07，西安电子科技大学，电子工程学院，本硕连读，导师：张林让

**科研与学术工作经历（按时间倒序排序；如为在站博士后研究人员或曾有博士后研究经历，请列出合作导师姓名）：**

1. 2012/05-2015/03，杜克大学（Duke University，美国），电子和计算机学院，博士后，导师：Lawrence Carin
2. 2015/03-至今，贝尔实验室（Bell Labs，美国），研究员

**曾使用其他证件信息（应使用唯一身份证件申请项目，曾经使用其他身份证件作为申请人或主要参与者获得过项目资助的，应当在此列明）**

身份证，410183198404022038

**主持或参加科研项目（课题）情况（按时间倒序排序）：**

参与和主持 多个贝尔实验室 内部项目

### 代表性研究成果和学术奖励情况

（请注意：①投稿阶段的论文不要列出；②对期刊论文：应按照论文发表时作者顺序列出全部作者姓名、论文题目、期刊名称、发表年代、卷（期）及起止页码（摘要论文请加以说明）；③对会议论文：应按照论文发表时作者顺序列出全部作者姓名、论文题目、会议名称（或会议论文集名称及起止页码）、会议地址、会议时间；④应在论文作者姓名后注明第一/通讯作者情况：所有共同第一作者均加注上标“#”字样，通讯作者及共同通讯作者均加注上标“\*”字样，唯一第一作者且非通讯作者无需加注；⑤所有代表性研究成果和学术奖励中本人姓名加粗显示。）

按照以下顺序列出：

#### 一、 代表性论著（包括论文与专著，合计5项以内）；

(1) **X. Yuan**, “Estimating the DOA and the Polarization of a Polynomial-Phase Signal Using a Single Polarized Vector-Sensor,” IEEE Transactions on Signal

Processing, vol. 60, no. 3, pp. 1270-1282, March 2012.

(2) K. Wong, **X. Yuan**, "Vector cross-product direction-finding' with an electromagnetic vector-sensor of six orthogonally oriented but spatially non-collocating dipoles/loops", IEEE Trans. Signal Process., vol. 59, no. 1, pp. 160-171, Jan. 2011.

(3) **X. Yuan**, and Y. Pu, "Parallel Lensless Compressive Imaging via Deep Convolutional Neural Networks," Optics Express, vol. 26, no. 2, pp. 1962-1977, 2018.

(4) **X. Yuan**, T.-H. Tsai, R. Zhu, P. Llull, D. J. Brady, and L. Carin, "Compressive Hyperepectral Imaging with Side Information," IEEE Journal of Selected Topics in Signal Processing, vol. 9, no. 6, pp. 964-976, September, 2015.

(5) **X. Yuan**, V. Rao, S. Han and L. Carin, "Hierarchical Infinite Divisibility for Multiscale Shrinkage," IEEE Transactions on Signal Processing, vol. 62, no. 17, pp. 4363- 4374, September 1, 2014.

## 二、论著之外的代表性研究成果和学术奖励（合计10项以内）。

### 授权发明专利

(1) **X. Yuan** and P. Wilford, "Apparatus and Methods for Detecting Light", filed 2018.

(2) **X. Yuan**, "Apparatus, Systems and Methods for Detecting Light", filed 2017.

(3) **X. Yuan** and P. Wilford, "Video Compressive Sensing with Side Information", US Patent App. 15/454,972, filed 2017. 5.

(4) **X. Yuan**, "Systems and Methods for Video Compressive Sensing Using A Rotating Mask", US20180115703A1, filed 2016. 6.

(5) **X. Yuan**, H. Jiang, G. Huang, and P. Wilford, "3D Image Reconstruction Based on Lensless Compressive Image Acquisition", US Patent App. 15/298,580, filed 2016.

(6) **X. Yuan**, G. Huang, H. Jiang, and P. Wilford, "Block-Based Lensless Compressive Image Acquisition", US Patent App. 15/223,204, filed 2016.

### 其他成果

(1) IEEE travel grant for the International Conference on Image Processing (ICIP), 2018

(2) Invited to the 2017 China-America Frontiers of Engineering (CAFOE)

Symposium.

(3) IEEE travel grant for the International Conference on Acoustics, Speech and Signal Processing (ICASSP), 2016

(4) Best paper award, OSA Computational Optical Sensing and Imaging (COSI), 2014 and 2013