**The Hong Kong University of Science and Technology**  
**Department of Mathematics**  
**Seminar on Applied Mathematics**

**Mr. Qingyun SUN**  
**Stanford University**

**Abstract**

<table>
<thead>
<tr>
<th>Talk 1:</th>
<th>In this talk, I will discuss the connection between Convolutional Neural Networks and sparsity, and connect Convolutional Neural Networks with multi-layer convolutional sparse coding.</th>
</tr>
</thead>
</table>
| Title: Sparsity in Convolutional Neural Networks  
Date: Tuesday, 13 February 2018  
Time: 3:00pm – 4:20pm  
Venue: Lecture Theatre D |

<table>
<thead>
<tr>
<th>Talk 2:</th>
<th>In this talk, I will state my views of the different paradigms for deep learning research, and propose some interesting problems in each paradigm.</th>
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</thead>
</table>
| Title: Thoughts on Paradigms for Deep Learning Research  
Date: Tuesday, 27 February 2018  
Time: 3:00pm – 4:20pm  
Venue: Lecture Theatre D |

*All are welcome!*