

# Forty-Six Years (and counting) of Statistical Signal Processing

*A workshop in recognition of the career contributions of Louis Scharf*

Tuesday, November 10<sup>th</sup>, 2015  
Asilomar Conference Grounds  
Pacific Grove, California

This one-day workshop, coordinated with the 49<sup>th</sup> Asilomar Conference on Signals, Systems and Computers, will acknowledge the substantial influence of Louis Scharf's career contributions to statistical signal processing. It will feature presentations by a few of the many people whose work has been influenced by collaboration and other interactions with Professor Scharf over the past four decades.

Attendance is open to all at no cost. In particular, participants in the Asilomar Conference are welcome to attend this special event. Thanks to the Asilomar Technical Program Committee's willingness to coordinate the conference program with the workshop, conflicts should be minimized.



## Tuesday morning

0815 – 0840	Ali Pezeshki	Welcome and introduction
0840 – 0930	Ben Friedlander	<i>Direction finding and the quest for super-resolution</i>
0930 – 0955	Yuejie Chi	<i>Structured covariance estimation for sparse inversion</i>
0955 – 1015	<b>Break</b>	
1015 – 1040	Yuan Wang	<i>Predictive classification of correlated targets with application to detection of metastatic cancer</i>
1040 – 1130	Steve Smith	<i>Covert and anomalous network discovery and detection</i>
1130 – 1155	Pooria Pakrooh	<i>Distribution of the Fisher information loss due to random compression</i>
1155 – 1330	<b>Lunch break</b>	

## Tuesday afternoon

1330 – 1355	Open floor	
1355 – 1420	Robert Calderbank	<i>Principal angles and deep learning</i>
1420 – 1510	Stephen Howard	<i>Invariance from a Bayesian perspective</i>
1510 – 1530	<b>Break</b>	
1530 – 1555	Edwin Chong	<i>Multistage Wiener filters and conjugate direction algorithms</i>
1555 – 1645	David Ramírez	<i>Detection of cyclostationary time series in multi-sensor arrays</i>
1645 – 1710	Open floor	

