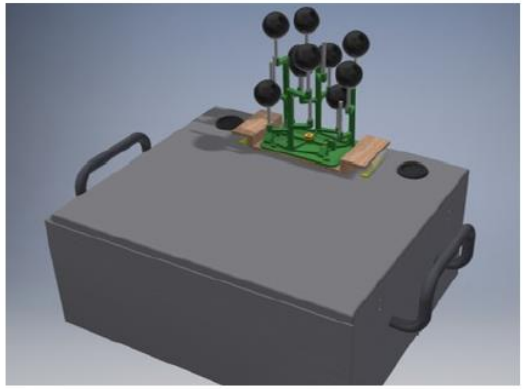
Description

Experimental System – Acoustic Crow‘s Nest Array

- Array geometry: M = 16 randomly distributed elements
- Elements:
  - frequency range: 5 Hz-100 kHz
  - patterns: omnidirectional, i.e. can be neglected
- Signal acquisition: sampling frequency fs = 192 kHz
- Optimized for stationary or mobile operation on UGV
- Possible Applications: speech, shots, ground-based and airborne platforms



Array geometry

m	x_m/cm	y_m/cm	z_m/cm
1	-1.808	-2.390	-0.440
2	3.398	2.163	-2.385
3	-5.648	6.876	3.928
4	-1.789	-9.256	-1.255
5	5.752	3.134	4.559
6	-2.467	-4.962	-6.543
7	4.058	-4.927	2.834
8	-4.684	3.996	-6.812
9	-7.206	0.592	-0.005
10	-5.375	-3.333	6.708
11	0.729	8.731	0.717
12	-2.037	2.156	4.846
13	7.092	-4.499	-3.317
14	-7.178	-5.793	-1.598
15	-0.674	-7.188	6.603
16	0.333	7.047	-5.119

(element locations are given in centimeters!)