

## Robomech2022 Keyword List

1. Mobile robot
2. Soft robot
3. Control
4. Mechanism
5. Measurement, monitoring
6. Image processing
7. Manipulator, Robot arm
8. Deep learning
9. Underwater robot
10. Autonomous mobile robot
11. UAV(Unmanned Aerial Vehicle), Drone
12. Sensor, Sensor device
13. Machine learning
14. Robot hand
15. Rehabilitation
16. Biomimetic
17. Artificial muscle
18. Simulation
19. Tactile sense
20. Soft actuator
21. Manipulation
22. Motion recognition, analysis
23. Wheeled mobile robot
24. Livelihood support
25. Pneumatic, Pneumatic actuator
26. Micro fluid
27. Welfare
28. Wearable device
29. Vibration
30. Self-localization
31. Coordinated control, operation
32. MEMS
33. Tele-operation
34. Automation
35. Legged robot
36. Human Robot Interaction (HRI)
37. Mechatronics
38. Image recognition
39. Force display
40. Tactile sensor
41. Path planning, generation
42. Cell manipulation
43. Virtual reality(VR)
44. Agricultural robot
45. Actuator
46. Work support
47. Reinforcement learning
48. Walking
49. 4-legged robot
50. Medical robot
51. Interface
52. Education
53. Biped robot
54. Communication robot
55. Grasping
56. Humanoid
57. Optimisation
58. Attitude control
59. Neural network
60. Obstacle avoidance, Collision avoidance
61. Wire drive
62. 3D measurement
63. Surgery support
64. Augmented reality(AR)
65. Operation support
66. Construction robot
67. Underactuation
68. Swarm robot
69. Motion planning
70. Rough terrain locomotion
71. RGB-D camera
72. Musculoskeletal model
73. Peristaltic movement
74. Social implementation
75. Motion capture
76. Omnidirectional locomotion
77. Walking support
78. Endoscope, laparoscopic surgery
79. Electric wheelchair
80. LRF, LiDAR
81. Variable stiffness
82. Infrastructure inspection
83. Power assist
84. SLAM
85. 3D printer
86. Crawler
87. Micro robot
88. Force sensor
89. Mobile mechanism
90. Flying robot
91. Passive walking
92. Behavior estimation, prediction
93. Convolutional neural network(CNN)
94. Robot Operating System (ROS)
95. Multicopter
96. Autonomous distributed control
97. Object recognition, Object posture recognition
98. Wearable robot
99. Safety
100. Adsorption
101. Self-driving, Autonomous driving
102. Navigation
103. Network robot
104. Human Augmentation
105. Autonomous locomotion
106. Step over the step
107. Jumping robot
108. Map generation
109. Wall movement
110. Rescue robot
111. RT-Middleware, OpenRTM
112. Disaster recovery
113. Link mechanism
114. Ultrasonic inspection
115. Parallel mechanism
116. Stairs up and down
117. Inertial sensor, IMU
118. Dual-arm robot
119. Piezoelectric
120. Inverted pendulum
121. Trajectory planning
122. Surgery simulator
123. Personal mobility
124. Modular robot
125. Fall prevention, avoidance
126. Hydraulic
127. Genetic algorithm (GA)
128. Redundant manipulator
129. Snake robot
130. Terramechanics
131. MR fluid
132. Vibration-induced flow
133. Stress
134. Intelligent space
135. Master slave, Leader follower
136. Autonomous underwater robot (AUV)
137. Snap through
138. Sensor fusion
139. FPGA
140. Shape memory alloy
141. Wireless power supply
142. High speed vision
143. Proximity sensor
144. Gripping force
145. Robot contest
146. Excavation
147. Biologging
148. Optic nerve
149. Gel actuator
150. Skating Motion
151. Steering by wire system
152. Tensegrity
153. Valve
154. Functional electrical stimulation
155. Muscle Synergy
156. Industrial robot
157. Ride comfort
158. In-pipe inspection robot
159. Powder