

# Swarm Intelligence and Evolutionary Techniques for Real World Applications

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**Summary:** This work provides a comprehensive list of real-world applications of swarm intelligence and evolutionary computation techniques.

- Image processing [1], [2], [3], [4], [5], [6]
- Tomography [7], [8], [9], [10], [11]
- Computational Fluid Dynamics [12], [13]
- Reservoir Optimisation in oil-fields [14], [15], [16]
- Weather prediction [17], [18], [19]
- Robotics [20], [21], [22], [23], [24]
- Energy Systems [25], [26], [27], [28]
- Structural Optimisation [29]
- Medical Imaging [30], [31], [32], [33], [34]
- Space applications [35], [36], [37]
- Molecular Dynamics [38], [39], [40], [41], [42]
- Financial Markets [43], [44], [45], [46], [47], [48]
- Engineering Design [49], [50], [51], [52], [53]
- Manufacturing Sciences [54], [55], [56], [57], [58]
- Drug Design and Pharmaceuticals [59], [60], [61], [62]
- Data mining [63], [64], [65], [66], [67], [68]
- Protein Folding [69], [70], [71], [72]
- Scheduling [54], [73], [74], [75], [76], [77]
- Vehicle Routing [78], [79], [80], [81], [82], [83]
- Micro Electro-Mechanical Systems [84], [85], [86], [87]
- Railway applications [88], [89], [90], [91], [92]

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