## Implementation of biologically-inspired dynamical systems for movement generation: automatic real-time goal adaptation and obstacle avoidance

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1	hstract—
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- I. INTRODUCTION
  - II. APPROACH
- A. Distance to objects
- B. Collision monitoring
- C. Potential field
- D. Controller
- III. EXPERIMENTS
- A. Testing
- B. ROS
- C. Results

IV. USE CASE

- A. Single arm
- B. Dual arm
- C. Self collision

## V. CONCLUSION

APPENDICES

## ACKNOWLEDGMENTS

## REFERENCES

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