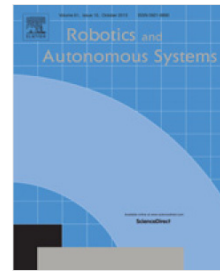


## Accepted Manuscript

A generative physical model approach for enhancing the stroke palette for robotic drummers

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PII: S0921-8890(16)30536-X  
DOI: <http://dx.doi.org/10.1016/j.robot.2016.08.020>  
Reference: ROBOT 2689

To appear in: *Robotics and Autonomous Systems*

Received date: 14 July 2015  
Revised date: 17 May 2016  
Accepted date: 26 August 2016

Please cite this article as: D. Gopinath, G. Weinberg, A generative physical model approach for enhancing the stroke palette for robotic drummers, *Robotics and Autonomous Systems* (2016), <http://dx.doi.org/10.1016/j.robot.2016.08.020>

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**Research Highlights for ROBOT-D-15-00326R1**

- A generative physical model for drum stroke generation is proposed.
- Enhances the stroke palette and musical expressivity in robotic drummers.
- Time varying torque provided by the thumb results in a wide variety of drum strokes.
- The model is agnostic to the hardware and can be implemented on any robotic drummer.

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