

NPTEL Video Lecture Topic List - Created by LinuXpert Systems, Chennai

NPTEL Video Course - Mechanical Engineering - NOC:Microrobotics

Subject Co-ordinator - Prof. I. A. Palani

Co-ordinating Institute - IIT - Indore

Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable

Lecture 1 - Micro Robotics Overview
Lecture 2 - Scaling Laws for Designing Micro Robots
Lecture 3 - Scaling Laws of Microrobots - 1
Lecture 4 - Scaling Laws of Microrobots - 2
Lecture 5 - Scaling Laws of Microrobots - 3
Lecture 6 - MicroMechanics System Design (Design of Microrobots) - 1
Lecture 7 - MicroMechanics System Design (Design of Microrobots) - 2
Lecture 8 - MicroMechanics System Design (Design of Microrobots) - 3
Lecture 9 - MicroMechanics System Design (Design of Microrobots) - 4
Lecture 10 - MicroMechanics System Design (Design of Microrobots) - 5
Lecture 11 - MicroMechanics System Design (Micro-Fabrication of Micro Robots) - 1
Lecture 12 - MicroMechanics System Design (Micro-Fabrication of Micro Robots) - 2
Lecture 13 - MicroMechanics System Design (Micro-Fabrication of Micro Robots) - 3
Lecture 14 - MicroMechanics System Design (Micro-Fabrication of Micro Robots) - 4
Lecture 15 - MicroMechanics System Design (Micro-Fabrication of Micro Robots) - 5
Lecture 16 - Microactuation and Micromanipulation - 1
Lecture 17 - Microactuation and Micromanipulation - 2
Lecture 18 - Microactuation and Micromanipulation - 3
Lecture 19 - Microactuation and Micromanipulation - 4
Lecture 20 - Microactuation and Micromanipulation - 5
Lecture 21 - Microactuation and Micromanipulation - 6
Lecture 22 - Microactuation and Micromanipulation - 7
Lecture 23 - Microactuation and Micromanipulation - 8
Lecture 24 - Microactuation and Micromanipulation - 9
Lecture 25 - Microactuation and Micromanipulation - 10
Lecture 26 - Micro Sensors and Micro Transducers - 1
Lecture 27 - Micro Sensors and Micro Transducers - 2
Lecture 28 - Micro Sensors and Micro Transducers - 3
Lecture 29 - Micro Sensors and Micro Transducers - 4

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| Lecture 33 | - Micro Sensors and Micro Transducers | - 8 |
| Lecture 34 | - Micro Sensors and Micro Transducers | - 9 |
| Lecture 35 | - Micro Sensors and Micro Transducers | - 10 |
| Lecture 36 | - Microsystems for Microrobots (Actuators) | - 1 |
| Lecture 37 | - Microsystems for Microrobots (Actuators) | - 2 |
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| Lecture 39 | - Microsystems for Microrobots (Actuators) | - 4 |
| Lecture 40 | - Microsystems for Microrobots (Actuators) | - 5 |
| Lecture 41 | - Microsystems for Microrobots (Manipulation) | - 1 |
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| Lecture 45 | - Microsystems for Microrobots (Manipulation) | - 5 |
| Lecture 46 | - Microsystem for Microrobotics (Integrated approach) | - 1 |
| Lecture 47 | - Microsystem for Microrobotics (Integrated approach) | - 2 |
| Lecture 48 | - Microsystem for Microrobotics (Integrated approach) | - 3 |
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