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# RESEARCH SURVEYS

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# ILP RESEARCH SURVEY TOPICS

## 2023 - PRESENT



# Research Surveys List

This list is a guide to MIT research on topics that have been of interest to ILP member companies. The list includes research surveys from 2023 to the present and is updated regularly. Please be aware that the older the survey is, the more likely that it may contain projects that are no longer active.

These surveys are accessible /downloadable via the MIT ILP website (login required) here:  
<https://ilp.mit.edu/search/surveys-and-briefs>.

## 2025 SURVEYS

Access to MIT Students, 01/25, 39 pgs  
Career Fairs 2025, 01/25, 8 pgs  
Energy: Alternative Fuels, 04/25, 43 pgs  
Energy: Economics & Policy, 03/25, 54 pgs  
Energy: Nuclear Energy, 03/25, 51 pgs  
Energy: Renewables, 05/25, 53 pgs  
Metals Recovery and Materials Circularity, 06/25, 48 pgs  
Semiconductors, 06/25, 68 pgs

## 2024 SURVEYS

AI Applications: Autonomous Vehicles & Robotics, 02/24, 128 pgs  
AI Applications: Biology, Therapeutics, Medical Monitoring & Treatment, etc., 08/24, 93 pgs  
AI Applications: Business Management, Cybersecurity, Logistics, etc., 03/24, 93 pgs  
AI Applications: ChemE, Materials Science, Energy, Earth & Climate Sciences, 07/24, 70 pgs  
AI Applications: Electrical Engineering, Computer Science, Data, Physics, 07/24, 57 pgs  
AI Applications: Social Sciences, 05/24, 54 pgs  
Carbon Capture, Utilization, & Storage (CCUS), 07/24, 63 pgs  
Energy Storage, 04/24, 86 pgs

## 2023 SURVEYS

Autonomous Vehicles, 03/23, 99 pgs  
Bioinspired Materials, 04/23, 43 pgs  
Generative AI, 07/23, 91 pgs  
Polymers, 02/23, 101 pgs  
Sensors: Autonomous Vehicles, City Science, Environment, Infrastructure, 01/23, 44 pgs  
Sensors: Medicine & Biosensors, 01/23, 65 pgs  
Sensors: RFID, Nano, Novel, Wearable, Wireless, and Quantum Sensor Networks, 01/23, 86 pgs  
Sustainability: Building, Urban Design, Transportation, 08/23, 86 pgs  
Sustainability: Climate Change, 08/23, 85 pgs  
Sustainability: Economics, Business, Economic Development, 08/23, 82 pgs  
Sustainability: Renewable Energy, 08/23, 102 pgs

## Alphabetical List of Topics 2023 to present

### A

Access to MIT Students, 01/25, 39 pgs  
AI Applications: Autonomous Vehicles & Robotics, 02/24, 128 pgs  
AI Applications: Biology, Therapeutics, Medical Monitoring & Treatment, etc., 08/24, 93 pgs  
AI Applications: Business Management, Cybersecurity, Logistics, etc., 03/24, 93 pgs  
AI Applications: ChemE, Materials Science, Energy, Earth & Climate Sciences, 07/24, 70 pgs  
AI Applications: Electrical Engineering, Computer Science, Data, Physics, 07/24, 57 pgs  
AI Applications: Social Sciences, 05/24, 54 pgs  
Autonomous Vehicles, 03/23, 99 pgs

### B

Bioinspired Materials, 04/23, 43 pgs

### C

Carbon Capture, Utilization, & Storage (CCUS), 07/24, 63 pgs  
Career Fairs 2025, 01/25, 8 pgs

### D

### E

Energy Storage, 04/24, 86 pgs  
Energy: Alternative Fuels, 04/25, 43 pgs  
Energy: Economics & Policy, 03/25, 54 pgs  
Energy: Nuclear Energy, 03/25, 51 pgs  
Energy: Renewables, 05/25, 53 pgs

### F

### G

Generative AI, 07/23, 91 pgs

### H - O

Metals Recovery and Materials Circularity, 06/25, 48 pgs

### P

Polymers, 02/23, 101 pgs

### Q

### R

### S

Semiconductors, 06/25, 68 pgs  
Sensors: Environmental Sensing, Autonomous Vehicles, Urban & Infrastructure, 01/23, 44 pgs  
Sensors: Medicine & Biosensors, 01/23, 65 pgs  
Sensors: RFID, Nano, Novel, Wearable, Wireless, and Quantum Sensor Networks, 01/23, 86 pgs  
Sustainability: Building, Urban Design, Transportation, 08/23, 86 pgs  
Sustainability: Climate Change, 08/23, 85 pgs

Sustainability: Economics, Business, Economic Development, 08/23, 82 pgs  
Sustainability: Renewable Energy, 08/23, 102 pgs

**T - Z**