ILP RESEARCH SURVEY TOPICS

2023 - PRESENT

RESEARCH
SURVEYS

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 Please be aware that the older the survey is, the more likely that it may contain projects that are no longer active.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.

2026 SURVEYS

Access to MIT Students, 02/26, 41 pgs
Career Fairs 2026, 01/26, 10 pgs
Innovation & Entrepreneurship, 02/26, 40 pgs
Microgrids & Microreactors, 01/26, 33 pgs

2025 SURVEYS

Design (summary), 09/25, 23 pgs
Digital Twins, 12/25, 41 pgs
Drug Discovery & Process Development, 12/25, 85 pgs
Computationally-Assisted Materials Discovery, 08/25, 50 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, 02/26, 41 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 2026, 01/26, 10 pgs
Computationally-Assisted Materials Discovery, 08/25, 50 pgs

D
Design (summary), 09/25, 23 pgs
Digital Twins, 12/25, 41 pgs
Drug Discovery & Process Development, 12/25, 85 pgs

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 - L

M
Metals Recovery and Materials Circularity, 06/25, 48 pgs
Microgrids & Microreactors, 01/26, 33 pgs

N - R

Polymers, 02/23, 101 pgs

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