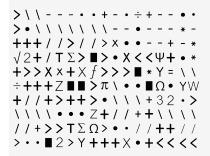


# ILP RESEARCH SURVEY TOPICS

2019 - 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 2019 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 Please be aware that the older the survey is, the more likely that it may contain projects that are no longer active.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 via the MIT ILP website (login required) here: https://ilp.mit.edu/search/surveys-and-briefs OR contact Sara Egan (sarae@mit.edu) for copies of these research surveys (please indicate the organization or individual for whom the request is made).

# **2021 SURVEYS**

Digital Transformation, 02/21, 58 pgs Drug & Therapeutics Delivery, 04/21, 69 pgs Green Chemistry, 03/21, 19 pgs Quantum Computing/Information Science, 2/21, 46 pgs

#### 2020 SURVEYS

Access to MIT Students, 10/20, 41 pgs

Advanced Manufacturing, 01/20, 70 pgs

Advanced Manufacturing: Bio, Pharma, 02/20, 55 pgs

Agriculture, Farming, Food, 08/20, 66 pgs

AI Applications: Autonomous Vehicles & Robotics, 09/20, 37 pgs

AI Applications: Bio & Medicine, 09/20, 64 pgs

AI Applications: Business, Social Science, 09/20, 47 pgs AI Applications: Engineering & Science, 09/20, 36 pgs

Data Storage Technologies (abbreviated survey), 02/20, 12 pgs

Deep Learning, Neural Networks, 12/20, 51 pgs

Energy Storage, 04/20, 71 pgs

Innovation & Entrepreneurship, 10/20, 61 pgs

Photonic Electronics Techs (abbreviated survey), 02/20, 17 pgs

Recruiting at MIT 2019-20, 10/20, 10 pgs

Sensors, 06/20, 81 pgs

Smart Cities, 12/20, 66 pgs

Sustainability: Climate Change, 02/20, 31 pgs

Sustainability: Energy & Environmental Economics, Sustainable Business Practices, and

Sustainable Economic Development, 02/20, 30 pgs

Sustainability: Green Buildings, Urban Design, Transportation, 02/20, 45 pgs

Sustainability: Pollution Mitigation, Life Cycle Assessment, Recycling, 03/20, 53 pgs

Sustainability: Renewable Energy, 02/20, 41 pgs

# Special Surveys/Briefs: Covid-19 related

COVID-19 Summary, Vols. 1-19 – April-November 2020 MIT ILP Brief – Crisis Management/COVID-19 – 032020 MIT ILP Brief – Supply Chains/COVID-19 - 032020

# **2019 SURVEYS**

Building/Construction, 08/19, 64 pgs

Cybersecurity, Data Privacy and Security, 09/19, 65 pgs

Design: Architecture, Building, Urban Planning, 01/19, 57 pgs

Design: Art, Communication, Instruction, Organization, Software, 01/19, 49 pgs Design: Aerospace, Ship, Vehicles; Nuclear Power Plants; Robotics, 01/19, 45 pgs

Design: Computational Design, Digital Fabrication, Design Process, Systems Design, 02/19, 37 pgs

Design: Devices, Electronic Components, Sensors, 02/19, 60 pgs

Design: Materials & Product Design, 02/19, 39 pgs

Drug Delivery, 01/19, 48 pgs Hydrogen, 03/19, 54 pgs

Impacts of Stress, 02/19, 35 pgs

Machine Learning: Algorithms, Computational Efficiency, Inference, Prediction 07/19, 65 pgs Machine Learning: Computational Biology, Bioinformatics, Genomics, Medicine 07/19, 36 pgs Machine Learning: Computer Vision, Human-Machine Interaction, Natural Language Processing,

07/19, 48 pgs

Mobility, 10/19, 65 pgs Packaging, 05/19, 62 pgs

# Alphabetical List of Topics 2019 to present

#### Α

Access to MIT Students, 10/20, 41 pgs

Advanced Manufacturing, 01/20, 70 pgs

Advanced Manufacturing: Bio, Pharma, 02/20, 55 pgs

Agriculture, Farming, Food, 08/20, 66 pgs

AI Applications: Autonomous Vehicles & Robotics, 09/20, 37 pgs

AI Applications: Bio & Medicine, 09/20, 64 pgs

AI Applications: Business, Social Science, 09/20, 47 pgs AI Applications: Engineering & Science, 09/20, 36 pgs

#### В

Building/Construction, 08/19, 64 pgs

#### C

Construction/ Building, 08/19, 64 pgs COVID-19 Summary Vols. 1-19 — April-November 2020 Crisis Management/COVID-19 (MIT ILP Brief)— 032020 Cybersecurity, Data Privacy and Security, 09/19, 65 pgs

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Digital Transformation, 02/21, 58 pgs

Drug & Therapeutics Delivery, 04/21, 69 pgs

# Ε

Energy Storage, 04/20, 71 pgs Entrepreneurship & Innovation, 10/20, 61 pgs

#### F

#### G

Green Chemistry, 03/21, 19 pgs

#### Н

Hydrogen, 03/19, 54 pgs

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Impacts of Stress, 02/19, 35 pgs Innovation & Entrepreneurship, 10/20, 61 pgs

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#### L

#### M

Machine Learning: Algorithms, Computational Efficiency, Inference, Prediction 07/19, 65 pgs Machine Learning: Computational Biology, Bioinformatics, Genomics, Medicine 07/19, 36 pgs Machine Learning: Computer Vision, Human-Machine Interaction, Natural Language Processing, 07/19, 48 pgs Manufacturing, 01/20, 70 pgs Mobility, 10/19, 65 pgs

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Packaging, 05/19, 62 pgs Photonic Electronics Techs (abbreviated survey), 02/20, 17 pgs

# Q

Quantum Computing/Information Science, 2/21, 46 pgs

#### R

Recruiting at MIT 2019-20, 10/20, 10 pgs

# S

Sensors, 06/20, 81 pgs Smart Cities, 12/20, 66 pgs Supply Chains/COVID-19 (MIT ILP Brief)- 032020 Sustainability: Climate Change, 02/20, 31 pgs

Sustainability: Energy & Environmental Economics, Sustainable Business Practices, and

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