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ILP RESEARCH SURVEY TOPICS

2019 - PRESENT

RESEARCH SURVEYS

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 Please be aware that the older the survey is, the more likely that it may contain projects that are no longer active.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

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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

B

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

D

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Machine Learning: Algorithms, Computational Efficiency, Inference, Prediction 07/19, 65 pgs
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