This list is a guide to MIT ILP research surveys on topics that have been of interest to ILP member companies. The list includes surveys from 2015 to present and is updated regularly.
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 2015 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 Please be aware that the older the survey is, the more likely that it may contain projects that are no longer active.

Please contact Sara Egan (sarae@mit.edu) for copies of these research surveys; and, please indicate the organization or individual for whom the request is made.

2017 SURVEYS

Advanced Manufacturing, 05/17, 77 pgs
Augmented / Mixed / Virtual Reality, 03/17, 34 pgs
Big Data/Analytics: Algorithms, Optimization, Platforms, etc, 03/17, 70 pgs
Big Data/Analytics: Biology, Health, Life Sciences, Medicine, 03/17, 38 pgs
Big Data/Analytics: Business Analytics, Finance, Logistics, Human Dynamics, Transportation, etc, 03/17, 60 pgs
Catalysis Expertise, 08/17, 46 pgs
Construction, 07/17, 69 pgs
Consumer Behavior, 08/17, 41 pgs
Diagnostics (Devices, Imaging, Data), 08/17, 72 pgs
Digital Transformation, 03/17, 45 pgs
Drug Delivery, 01/17, 43 pgs
Energy Storage, 03/17, 57 pgs
Flexible / Wearable Electronics, 07/17, 34 pgs
Hydrogen, 11/17, 33 pgs
Internet of Things, 02/17, 41 pgs
Nanotechnology, 11/17, 82 pgs
Robots / Robotics, 09/17, 65 pgs
Sensors: Health/Medical, 09/17, 36 pgs
Transportation, 05/17, 68 pgs
Water, 06/17, 73 pgs
Wearable Robotics, 09/17, 21 pgs

2016 SURVEYS

Access to MIT Students, 03/16, 24 pgs
Autonomous Systems for Aerial Vehicles & Mobile Robots, 08/16, 30 pgs
Autonomous Underwater Vehicles, 08/16, 22 pgs
Autonomous Vehicles, 09/16, 53 pgs
Autonomy-Enabled Transportation Systems, 09/16, 18 pgs
Blockchain, 06/16, 39 pgs
Climate Change, 07/16, 55 pgs
Cybersecurity, 04/16, 75 pgs
Digital Health Care: Patient monitoring, mobile diagnostic tools, medical devices, and wearable electronics, 03/16, 49 pgs
Digital Health Care & Big Medical Data, 03/16, 67 pgs
Drug Delivery, 05/16, 30 pgs
Drug Manufacturing, 12/16, 25 pgs
Genetic Engineering / Genome Editing, 01/16, 40 pgs
Innovation / Entrepreneurship, 03/16, 40 pgs
Machine Learning, 06/16, 77 pgs
Machine Vision and Perception for Autonomous Vehicles, Assisted Driving, and Mobile Robots, 09/16, 36 pgs
Manufacturing/Industry 4.0, 11/16, 54 pgs
Materials in Extreme Environments, 07/16, 21 pgs
Metamaterials, 07/16, 23 pgs
Microbiome, 01/16, 37 pgs
Precision Medicine: Analytics & Machine Learning, 11/16, 39 pgs
Precision Medicine: Expertise in Genomics & Cancer Therapies, 12/16, 42 pgs
Recruiting at MIT, 09/16, 5 pgs

2015 SURVEYS
Agriculture, Farms, Food 08/15, 65 pgs
Automotive 02/15, 60 pgs
Banking, Currency, Economics, Finance, 4/15, 46 pgs
Bioinspired Materials & Polymeric Biomaterials, 7/15, 52 pgs
Coatings, 5/15, 62 pgs
Digital /Online Learning, 11/15, 34 pgs
Electronics: Digital/Analog, Optical, Fiber, etc., 6/15, 56 pgs
Electronics: Flexible & Wearable, 05/15, 39 pgs
Energy Conversion & Storage, 12/15, 28 pgs
Energy-related (hydrocarbon conversion, crude oil upgrading...), 10/15, 29 pgs
Energy Storage, 12/15, 44 pgs
Human-Machine Interaction, 05/15, 62 pgs
Implantable Medical Devices, 12/15, 29 pgs
Large-scale Energy Storage, 11/15, 23 pgs
Manufacturing Faculty (list), 03/15, 5 pgs
Marketing, Influence, Persuasion, 07/15, 46 pgs
Neurodegenerative Expertise, 01/15, 22 pgs
Nuclear Power Plants, 08/15, 25 pgs
Paper & Packaging, 09/15, 35 pgs
Polymers & Soft Materials, 7/15, 29 pgs
Power Generation and Smart Grids, 08/15, 44 pgs
Renewable Power Generation, 08/15, 52 pgs
Semiconductors:
    Semiconducting Nanocrystals, 09/15, 25 pgs
    Semiconductors, 10/15, 50 pgs
    Two-Dimensional Semiconductors, 09/15, 23 pgs
Smart Cities, City Science, Urban Development, 02/15, 46 pgs
Student Clubs at MIT, 06/15, 13 pgs
Supply Chains / Logistics, 08/15, 41 pgs
Telecom: Economics, Policy, Regulation, Standards, 01/15, 29 pgs
Wearable Electronics, Devices and Sensors & Related Research, 12/15, 22 pgs
Work, Jobs, Employment, 12/15, 35 pgs

Alphabetical List of Topics 2015 to present

A
Access to MIT Students, 03/16, 24 pgs
Advanced Manufacturing, 05/17, 77 pgs
Agriculture, Farms, Food 08/15, 65 pgs
Augmented / Mixed / Virtual Reality, 03/17, 34 pgs
Automotive 02/15, 60 pgs
Autonomous Systems for Aerial Vehicles & Mobile Robots, 08/16, 30 pgs
Autonomous Underwater Vehicles, 08/16, 22 pgs
Autonomous Vehicles, 09/16, 53 pgs
Autonomy-Enabled Transportation Systems, 09/16, 18 pgs

B
Banking, Currency, Economics, Finance, 4/15, 46 pgs
Big Data/Analytics: Algorithms, Optimization, Platforms, etc, 03/17, 70 pgs
Big Data/Analytics: Biology, Health, Life Sciences, Medicine, 03/17, 38 pgs
Big Data/Analytics: Business Analytics, Finance, Logistics, Human Dynamics, Transportation, etc, 03/17, 60 pgs
Bioinspired Materials & Polymeric Biomaterials, 7/15, 52 pgs
Blockchain, 06/16, 39 pgs

C
Catalysis Expertise, 08/17, 46 pgs
Climate Change, 07/16, 55 pgs
Coatings, 5/15, 62 pgs
Construction, 07/17, 69 pgs
Consumer Behavior, 08/17, 41 pgs
Cybersecurity, 04/16, 75 pgs

D
Diagnostics (Devices, Imaging, Data), 08/17, 72 pgs
Digital /Online Learning, 11/15, 34 pgs
Digital Health Care: Patient monitoring, mobile diagnostic tools, medical devices, and wearable electronics, 03/16, 50 pgs
Digital Health Care & Big Medical Data, 03/16, 68 pgs
Digital Transformation, 03/17, 45 pgs
Drug Delivery, 01/17, 43 pgs
Drug Manufacturing, 12/16, 25 pgs

E
Electronics: Digital/Analog, Optical, Fiber, etc., 6/15, 56 pgs
Electronics: Flexible & Wearable, 05/15, 39 pgs
Wearable Electronics, Devices and Sensors & Related Research, 12/15, 22 pgs
Energy Conversion & Storage, 12/15, 28 pgs
Energy-related (hydrocarbon conversion, crude oil upgrading...), 10/15, 29 pgs
Energy Storage, 03/17, 57 pgs
Large-scale Energy Storage, 11/15, 23 pgs
Entrepreneurship / Innovation, 03/16, 40 pgs

F
Banking, Currency, Economics, Finance, 4/15, 46 pgs
Flexible & Wearable Electronics, 05/15, 39 pgs
G
Genetic Engineering / Genome Editing, 01/16, 40 pgs

H
Human-Machine Interaction, 05/15, 62 pgs
Hydrogen, 11/17, 33 pgs

I
Implantable Medical Devices, 12/15, 29 pgs
Innovation / Entrepreneurship, 03/16, 40 pgs
Internet of Things, 02/17, 41 pgs

K

L
Large-scale Energy Storage, 11/15, 23 pgs

M
Machine Learning, 06/16, 77 pgs
Machine Vision & Perception for Autonomous Vehicles, Assisted Driving, and Mobile Robots, 09/16, 36 pgs
Manufacturing/Industry 4.0, 11/16, 54 pgs
Marketing, Influence, Persuasion, 07/15, 46 pgs
Materials in Extreme Environments, 07/16, 21 pgs
Metamaterials, 07/16, 23 pgs
Microbiome, 01/16, 37 pgs

N
Nanotechnology, 11/17, 82 pgs
Neurodegenerative Expertise, 01/15, 22 pgs.
Nuclear Power Plants, 08/15, 25 pgs

O

P
Paper & Packaging, 09/15, 35 pgs
Polymers & Soft Materials, 07/15, 29 pgs
Power Generation and Smart Grids, 08/15, 44 pgs
Precision Medicine: Analytics & Machine Learning, 11/16, 39 pgs

R
Recruiting at MIT, 09/16, 5 pgs
Renewable Power Generation, 08/15, 52 pgs
Robots / Robotics, 09/17, 65 pgs
Wearable Robotics & Related, 09/17, 21 pgs

S
Semiconductors:
  Semiconducting Nanocrystals, 09/15, 25 pgs
  Semiconductors, 10/15, 50 pgs
Two-Dimensional Semiconductors, 09/15, 23 pgs
Sensors: Health/Medical, 09/17, 36 pgs
Smart Cities, City Science, Urban Development, 02/15, 46 pgs.
Student Clubs, 06/15, 13 pgs
Supply Chains / Logistics, 08/15, 41 pgs

T
Telecom: Economics, Policy, Regulation, Standards, 01/15, 29 pgs
Transportation, 05/17, 68 pgs
Two-Dimensional Semiconductors, 09/15, 23 pgs

W
Water, 06/17, 73 pgs
Wearable Electronics, Devices and Sensors & Related Research, 12/15, 22 pgs
Wearable Robotics & Related, 09/17, 21 pgs
Work, Jobs, Employment, 12/15, 35 pgs