

2023 Link Guide to Internet of Things

By

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The June 2023 Zillman Column features **2023 Link Guide to Internet of Things** and is a comprehensive listing of Internet of Things (IoT) resources, sites and tools on the Internet and available for the new “zoom” education/business/social age. These competent IoT resources and tools will be your search engine for your IoT investigation research. The below list of sources is taken partially from my Internet of Things Resources 2023 and is constantly updated with Subject Tracer™ bots at the following URL

<http://www.Internet-Of-Things.ws/>

These resources and sources will help you to discover the many pathways available to you through the Internet to find competent IoT tools, resources, sources and sites.

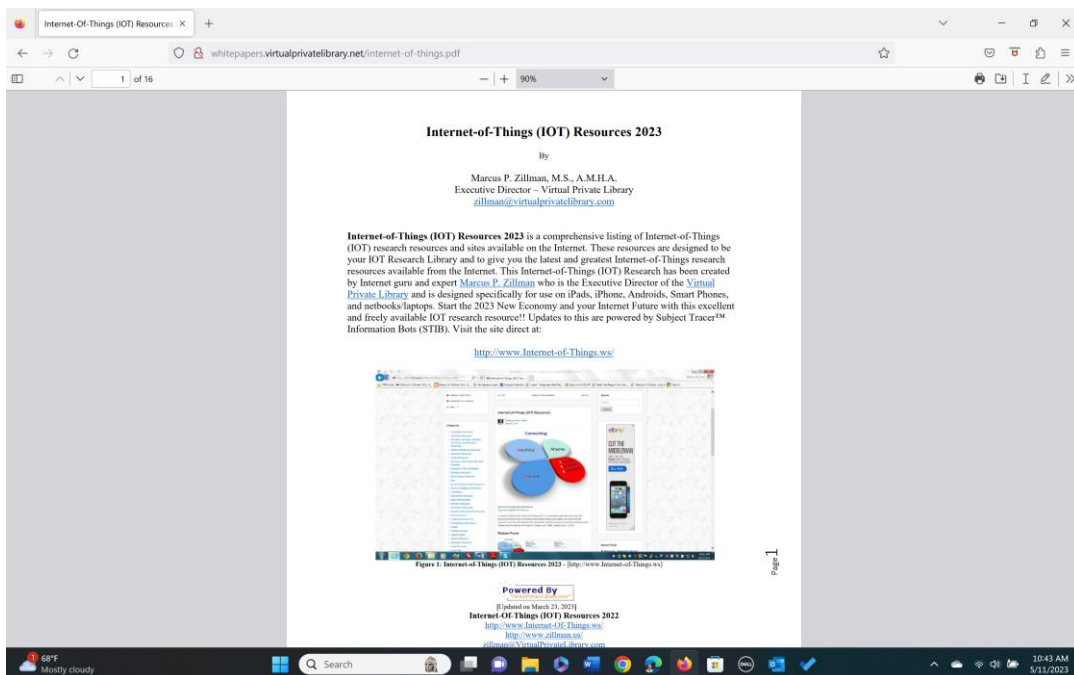


Figure 1: Internet of Things (IoT) Resources 2023



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2023 Link Guide to Internet of Things:

The Internet of Things is the network of physical objects that contain embedded technology to communicate and sense or interact with their internal states or the external environment.

[Gartner IT Glossary]

RESEARCH ORGANIZATIONS DEALING WITH IOT:

Emerging Tech Exchange

<https://www.emergingtechexchange.com/>

IoT European Research Cluster (IERC)

<http://www.internet-of-things-research.eu/>

OpenWSN - Open Source Implementations of Protocol Stacks Based Upon IOT

<https://openwsn.atlassian.net/wiki/spaces/OW/overview>

The Internet of Things Council

<http://www.theinternetofthings.eu/>

Thing-to-Thing Research Group (T2TRG)

<https://irtf.org/t2trg>

TOOLS AND APIS:

67 Open Source Tools and Resources for IoT

<https://techbeacon.com/67-open-source-tools-resources-iot>

Azure IoT Central

<https://azure.microsoft.com/en-us/services/iot-central/>

Balena – Build Your IoT Project with Balena

<https://www.balena.io/>

BigClouT - Clout of Things for Empowering the Citizen Clout in Smart Cities

<http://bigclout.eu/>



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DialogFlow

<https://dialogflow.com/>

Evrything – Digitize Your Products Connected to the web

<https://www.evrythng.com/>

Freeboard - Modular Development Platform for Internet of Things (IoT)

<http://buglabs.tumblr.com/post/83422057140/freeboard-tm>

Google Cloud IoT – Platform for Intelligent IoT Services

<https://cloud.google.com/solutions/iot/>

Internet of Things – Cisco

https://www.cisco.com/c/en_in/solutions/internet-of-things/resources.html

Internet of Things – Hewlett Packard Enterprise

<https://www.hpe.com/us/en/solutions/internet-of-things.html>

Internet of Things – Intel

<https://www.intel.com/content/www/us/en/internet-of-things/overview.html>

Internet of Things on IBM Cloud

<https://www.ibm.com/internet-of-things>

Internet of Things – Wikipedia

https://en.wikipedia.org/wiki/Internet_of_things

IoT for All – News and More

<https://www.iotforall.com/>

IoT Resources

<http://www.ioti.com/iot-resources>

IoT Resources

<https://medium.com/iotforall/resources/home>

IoT Resources by Project and Resource Type

<https://www.gsma.com/iot/resources/>



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IoT Value Set to Accelerate Through 2030: Where and How to Capture It
<https://www.mckinsey.com/business-functions/mckinsey-digital/our-insights/iot-value-set-to-accelerate-through-2030-where-and-how-to-capture-it>

Keen – Smart Zoning for Your Home in Minutes, Not Days
<http://www.keenhome.io/>

MbientLab - Powerful Service Platform That Connects Devices to Smartphones
<http://www.mbientlab.com/>

Mojo – Fueling the Future of Connected Mobility
<http://www.moj.io/>

MQTT is a machine-to-machine (M2M)/"Internet of Things" connectivity protocol.
<http://mqtt.org/>

Node-RED - Visual Tool for Wiring the Internet of Things
<http://nodered.org/>

Onion – The Invention Platform for the Internet of Things
<https://onion.io/>

Particle – All-in-One IoT Platform
<https://www.particle.io/>

RealTime - Internet of Things Connectivity Platform
<https://www.realtime.io/>

ReelyActive – We Make Smart Spaces
<http://context.reelyactive.com/>

Shodan - Search Engine for Internet-Connected Devices
<https://www.shodan.io/>

SmartThings - Smart Home Automation
<http://www.smarthings.com/>

TheThings – Connect Your Hardware and Track IoT
<https://thethings.io/>



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The Thing System – Take Control of Things

<http://thethingsystem.com/index.html>

Thingful – A Search Engine for the Internet of Things

<http://thingful.net/>

Top 50 IoT Sensor Applications for a Smarter World

http://www.libelium.com/resources/top_50_iot_sensor_applications_ranking/

Yaler – Access Devices from the Web

<https://www.yaler.net/>

Zeef – Curated Directory for Development and Tech Resources

<https://zeef.com/?query=IoT&in=all>



Subject Tracer™ Information Blogs

Subject Tracer™ Information Blogs created and developed by the Virtual Private Library™ combine the best of the latest tools on the Internet. Using bots, blogs and news aggregators the Subject Tracer™ Information blogs generate RSS feeds with the latest resources to create a current information resource flow through niched subject tracers. I am proud to be the creator of the Internet's first Subject Tracer™ Information Blogs:

Virtual Private Library™

<http://www.VirtualPrivateLibrary.com/>

Accessibility Resources

<http://www.AccessibilityResources.info/>

Agriculture Resources

<http://www.AgricultureResources.info/>

AnswerSpot

<http://www.AnswerSpot.co/>

Artificial Intelligence Resources

<http://www.AIResources.info/>

Astronomy Resources

<http://www.AstronomyResources.info/>

Auction Resources

<http://www.AuctionResources.info/>

Biological Informatics

<http://www.BiologicalInformatics.info/>

Biotechnology Resources

<http://www.BiotechnologyResources.info/>

Bot Research

<http://www.BotResearch.info/>

Business Intelligence Resources

<http://www.BIResources.info/>



ChatterBots

<http://www.ChatterBots.info/>

Data Mining Resources

<http://www.DataMiningResources.info/>

Deep Web Research

<http://www.DeepWebResearch.info/>

Directory Resources

<http://www.DirectoryResources.info/>

eCommerce Resources

<http://eCommerceResources.info/>

Education and Academic Resources

<http://www.EducationResources.info/>

Elder Resources

<http://www.ElderResources.info/>

Employment Resources

<http://www.EmploymentResources.info/>

Entrepreneurial Resources

<http://www.EntrepreneurialResources.info/>

Fact Checkers Directory

<http://www.FactCherckers.us/>

Financial Sources

<http://www.FinancialSources.info/>

Finding People

<http://www.FindingPeople.info/>

Games Resources

<http://www.GamesResources.info/>

Genealogy Resources

<http://www.GenealogyResources.info/>



Grant Resources

<http://www.GrantResources.info/>

Green Files

<http://www.GreenFiles.info/>

Grid, Distributed and Cloud Computing Resources

<http://www.GridResources.info/>

Healthcare Resources

<http://www.HealthcareResources.info/>

Information Futures Markets

<http://www.InformationFuturesMarkets.com/>

Information Quality Resources

<http://www.InformationQualityResources.info/>

International Trade Resources

<http://www.InternationalTradeResources.info/>

Internet Alerts

<http://www.InternetAlerts.info/>

Internet Demographics

<http://www.InternetDemographics.info/>

Internet Experts

<http://www.InternetExperts.info/>

Internet Hoaxes

<http://www.InternetHoaxes.info/>

Intrapreneurial Resources

<http://www.IntrapreneurialResources.info/>

Journalism Resources

<http://www.JournalismResources.info/>

Knowledge Discovery

<http://www.KnowledgeDiscovery.info/>



Military Resources

<http://www.MilitaryResources.info/>

New Economy Analytics, Resources and Alerts

<http://www.NewEconomyAnalytics.com/>

Outsourcing/Offshoring Information and Resources

<http://www.OutsourcingOffshore.us/>

Privacy Resources

<http://www.PrivacyResources.info/>

Reference Resources

<http://www.ReferenceResources.info/>

Research Resources

<http://www.ResearchResources.info/>

RestStress™

<http://www.RestStress.com/>

Script Resources

<http://www.ScriptResources.info/>

ShoppingBots

<http://www.ShoppingBots.info/>

Social Informatics

<http://www.SocialInformatics.info/>

Statistics Resources and Big Data

<http://www.StatisticsResources.info/>

Student Research

<http://www.StudentResearch.info/>

Theology Resources

<http://www.TheologyResources.info/>

Tutorial Resources

<http://www.TutorialResources.info/>



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World Wide Web Reference

<http://www.WWWReference.info/>

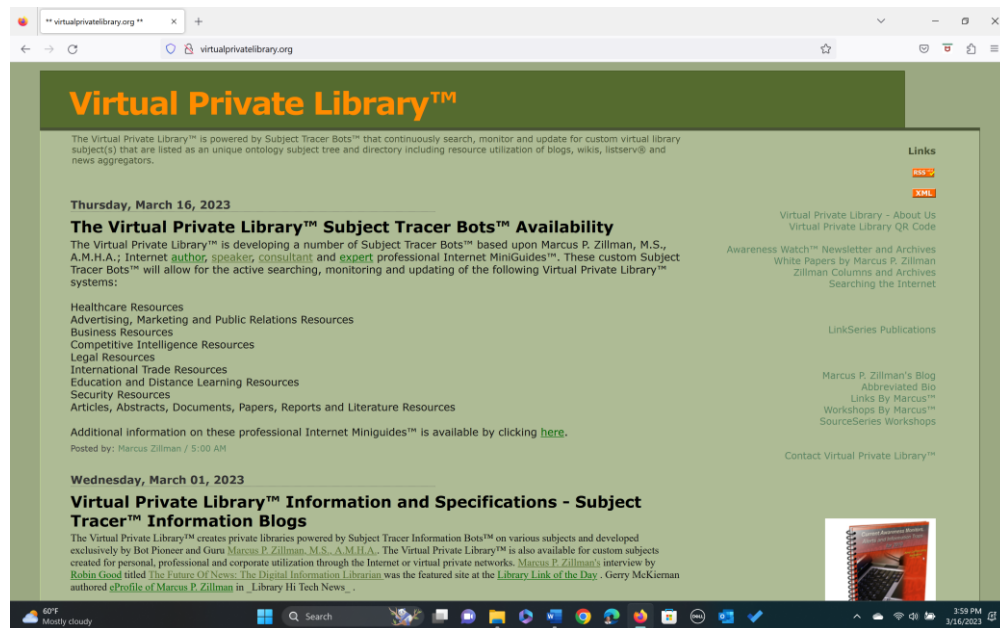


Figure 2: Virtual Private Library™

Author Information: Marcus P. Zillman, M.S., A.M.H.A. Executive Director of the Virtual Private Library is an international Internet expert, author, keynote speaker and corporate consultant in the area of information retrieval, knowledge discovery, knowledge harvesting, artificial intelligence and bots/intelligent agents. He has created numerous world wide web sites including 54 Subject Tracer™ Information Portals and Blogs; written a number of internet miniguides, white papers, manuals and books; hosted over 160 weekly Internet television shows, writes a weekly and monthly column on Current Awareness on the Internet; writes a monthly newsletter Awareness Watch and delivers keynote presentations throughout the international marketplace. He also actively delivers one and two day workshops for key industry sectors displaying how the Internet can be used as a tool to maintain current awareness and professional competencies.

Additional websites by Marcus P. Zillman, M.S., A.M.H.A.:

Marcus P. Zillman's Blog (26,000+ Postings)

<http://www.zillman.us/>

Marcus P. Zillman Abbreviated Bio

<http://www.zillman.info/>



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Awareness Watch™ Newsletter
<http://www.AwarenessWatch.com/>

Marcus P. Zillman's Columns
<http://www.ZillmanColumns.com>

LinkSeries Publications
<http://www.LinkSeries.com/>

Links By Marcus™
<http://www.LinksByMarcus.com/>

Workshops By Marcus™
<http://www.WorkshopsByMarcus.com/>

SourceSeries Internet Research Workshops
<http://www.SourceSeries.com/>

**Research White Papers, Articles, Lectures and Speeches by Marcus P. Zillman,
M.S., A.M.H.A.:**

2022 Guide to Finding Experts by Using the Internet
<http://www.FindingExperts.info/>

2022 Guide to Finding People Resources and Sites
<http://www.FindingPeople.info/>

2022 Guide to Internet Privacy Resources and Tools
<http://www.2022InternetPrivacy.com/>

2023 Directory of Directories
<http://www.2023DirectoryOfDirectories.com/>

2023 Guide to Searching the Internet
<http://www.SearchingTheInternet.info/>

2023 MiniGuides Series by Marcus P. Zillman, M.S., A.M.H.A.
<http://www.2023MiniGuides.com/>



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2023 New Economy Resources

<http://www.2023NewEconomy.com/>

Academic and Scholar Search Engines and Sources 2023

<http://www.ScholarSearchEngines.com/>

Bots, Blogs and News Aggregators 2023

<http://www.BotsBlogs.com/>

Business Intelligence Online Resources 2023

<http://www.BIOnlineResources.com/>

Cloud Computing Resources Primer 2022

<http://www.zillman.us/white-papers/grid-distributed-and-cloud-computing-resources-primer/>

Current Awareness Tools 2023

<http://www.CurrentAwarenessTools.com/>

Deep Web Research and Discovery Resources 2023 Online White Paper

<http://DeepWeb.us/>

eMarketing MiniGuide 2023

<http://www.eMarketingMiniGuide.com/>

eReference Library Link Toolkit 2022/2023

<http://www.eReferenceLibrary.com/>

Fact Check Resources Miniguide 2023

<http://www.FactCheckMiniguide.com/>

Finding Experts By Using the Internet 2022/2023

<http://www.FindingExperts.info/>

Finding People Resources and Sites 2022/2023

<http://www.FindingPeople.info/>

Healthcare Online Resources 2022/2023

<http://www.HealthPathFinders.com/>



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Knowledge Discovery Resources 2023

<http://www.KDResources.info/>

New Economy Resources 2023

<http://www.NewEconomyResources.com/>

New Normal StartUp Resources 2023

<http://www.NewNormalStartUpResources.com/>

Online Research Browsers and Data Visualization Tools 2022

<http://www.zillman.us/white-papers/online-research-browsers/>

Online Research Tools 2023

<http://www.OnlineResearchTools.info/>

Online Social Networking 2022/2023

<http://www.OnlineSocialNetworking.info/>

Open Educational Resources (OER) Sources 2023

<http://www.OERSources.com/>

Open Source Intelligence (OSINT) Miniguide 2023

<http://www.OSINTminiguide.com/>

Searching the Internet 2023

<http://www.SearchingTheInternet.info/>

Social Informatics 2022/2023

<http://www.SocialInformatics.net/>

Subject Tracers 2022/2023

<http://www.SubjectTracers.com/>

Using the Internet As a Dynamic Resource Tool for Knowledge Discovery 2022

<http://www.zillman.us/white-papers/using-the-internet-as-a-dynamic-resource-tool-for-knowledge-discovery/>

Web Data Extractors 2023

<http://www.WebDataExtractors.com/>



Web Guide for the New Economy 2023
<http://www.WebGuideNewEconomy.com/>

White Papers 2022/2023 By Marcus P. Zillman, M.S., A.M.H.A.
<http://www.WhitePapers.us/>

Internet Tutor by Marcus P. Zillman, M.S., A.M.H.A.
<http://www.InternetTutor.info/>

Visit this site to learn about the availability of Marcus P. Zillman to tutor you or your associate one on one in the privacy of your residence or office on the latest happenings of the Internet including Internet basics to advanced Internet searching using bots and creating your own personal blog.

Internet Speaking by Marcus P. Zillman, M.S., A.M.H.A.
<http://www.InternetSpeaker.net>

Visit this site to learn about Marcus P. Zillman's speaking engagements for your organization meetings and events. View and listen to his previous presentations as well as his weekly television shows.

Internet Consulting by Marcus P. Zillman, M.S., A.M.H.A.
<http://InternetConsultant.BlogSpot.com/>

Visit this site to obtain information about obtaining the consultation services of Marcus P. Zillman for your company including eCommerce audits, utilization of bots, blogs and news aggregators or the creation of your own personal virtual private library powered by Subject Tracer™ Information bots!

Current Awareness Monitors, Alerts and Information Traps
<http://www.ecurrentAwareness.com/>

Marcus P. Zillman's latest report Current Awareness Monitors, Alerts and Information Traps is available for purchase online and for immediate download. This report is a comprehensive listing of the latest resources, sources and sites for current awareness on the Internet. This is a must read for anyone who must stay current in their profession and/or business activity as the list of URLs will keep you at the leading edge of your career.

Market Intelligence Resources
<http://www.MarketIntelligenceResources.com/>

Marcus P. Zillman's just released professional Internet MiniGuide is titled Market Intelligence Resources and is available for purchase online and immediate download. This 193 page digital miniguide represents a comprehensive listing of the latest resources, sources and sites to discover the latest Market Intelligence sources available on



the Internet with many of them freely available! Designed specifically for today's entrepreneur, professional and/or investor.

Entrepreneurial Links 101

<http://www.EntrepreneurialLinks.com/>

Marcus P. Zillman's newly released 231 page eReference digital book for the up and coming entrepreneur. Entrepreneurial Links 101 gives an alphabetical listing of the very best Internet and World Wide Web sites covering Entrepreneur Resources, Business Intelligence Resources and an extremely comprehensive list of Online Research Tools. This is considered by many to be the entrepreneur's bible for finding relevant and competent online resources!

Internet Privacy and Security Resources

<http://www.InternetPrivacySecurity.net/>

Marcus P. Zillman's latest eReference digital publication is a selected comprehensive alphabetical listing of the latest resources and sites covering all aspects of privacy and security currently available over the Internet. From the board room to the family room, these resources and sites give you the information you need to maintain your privacy and security as you use the Internet in your business and personal life.

Research Resources Online Guide

<http://www.ResearchResourcesOnline.net/>

Marcus P. Zillman's latest [LinkSeries Publication](#) is a 340 page digital guide of a selected comprehensive alphabetical listing of the latest and greatest resources and sites covering all areas of research that is currently available over the Internet. The guide covers online research resources and tools for the Newbie to research as well as the Seasoned researcher. Contents include: a) Research Resources, b) Research Tools, c) Student Research Resources Toolkit, d) Knowledge Discovery/Management and Data Mining Resources, e) Knowledge Discovery/Retrieval and the World Wide Web Resources, and f) Subject Tracer™ Information Blogs.

The Survivor's Manual for The New Economy.

<http://www.NewEconomyManual.com/>

Marcus P. Zillman's latest LinkSeries Publication is a 239 page digital read that gives excellent resources and annotated sources for the new economy analytics, alerts, ecommerce, financial sources, invisible and deep web resources, social and business networking sources along with new economy competitive and business intelligence resources and an extremely comprehensive listing of new economy online tools.

