

# Bot and Intelligent Agent Research Resources 2016

By

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The February 2016 Zillman Column features **Bot and Intelligent Agent Research Resources 2016**. This is a comprehensive listing of bot and intelligent agent directories, subject guides and index resources and sites available on the Internet. The below list of sources is taken from my Subject Tracer™ Information Blog titled **Bot Research** and is constantly updated with Subject Tracer™ bots at the following URLs:

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

These resources and sources will help you to discover the many pathways available through the Internet to find the latest bot and intelligent agent research resources and sites. This is a terrific way to begin your 2016 learning and knowledge discovery year!! As this site is constantly updated it would be to your benefit to bookmark and return to the above URL frequently to download the latest freely available bot and intelligent agent research resources white paper.

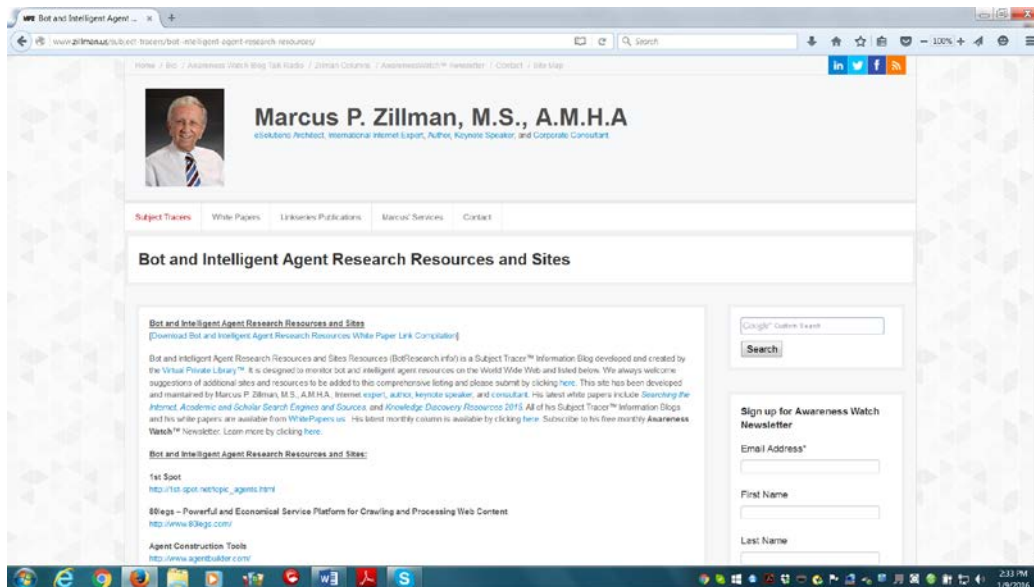


Figure 1: Bot and Intelligent Agent Research Resources Subject Tracer™ Information Blog

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## **Bot and Intelligent Agent Research Resources 2016:**

### **1st Spot**

[http://1st-spot.net/topic\\_agents.html](http://1st-spot.net/topic_agents.html)

### **80legs - Powerful and Economical Service Platform for Crawling and Processing Web Content**

<http://www.80legs.com/>

### **Agent Construction Tools**

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

### **AgentLand**

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

### **AgentLink**

<http://www.AgentLink.org/>

### **Agent Model Yields Leadership**

[http://www.trnmag.com/Stories/2004/092204/Agent\\_model\\_yields\\_leadership\\_092204.html](http://www.trnmag.com/Stories/2004/092204/Agent_model_yields_leadership_092204.html)

### **Agent Portal AI**

<http://www.agent.ai/>

### **Agents**

<http://aitopics.org/>

### **AgentSheets - Authoring Tool to Create Agents**

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

### **ALICEBot**

<http://www.alicebot.org/>

### **Android World**

<http://www.androidworld.com/index.htm>



**api.ai - Speech Interface for Apps and Devices**

<http://api.ai/>

**Applied Soft Computing**

<http://www.sciencedirect.com/science/journal/15684946>

**Article Search API - New York Times Articles 1981 to Present**

[http://developer.nytimes.com/docs/article\\_search\\_api](http://developer.nytimes.com/docs/article_search_api)

**artoo.js - The Client-Side Scraping Companion**

<http://medialab.github.io/artoo/>

**B.4.1 Search Robots - The Robots.txt File**

<http://www.w3.org/TR/REC-html40/appendix/notes.html#h-B.4.1>

**BotHunter - Passive Network Monitoring Tool**

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

**Bots, Blogs and News Aggregators**

<http://www.BotsBlogs.com>

**ChatterBots**

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

**Clara - Digital Employee That Schedules Meetings**

<https://claralabs.com/>

**Common Crawl - Web Crawl Data Accessed and Analyzed By Everyone**

<http://commoncrawl.org/>

**cQuery - Content Query Engine**

<http://cquery.com/>

**CrawlTrack - Your Web Statistics Tool**

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

**Create a Crawler - Extract Data From an Entire Website**

<http://support.import.io/knowledgebase/articles/247570-create-a-crawler>



### **Data Mining Resources**

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

### **Dataminr - Real-time Information Discovery**

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

### **DataparkSearch Engine - Full-Featured Open Source Web-Based Search Engine**

<http://www.dataparksearch.org/>

### **Deep Web Research**

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

### **Design of a Parallel and Distributed Web Search Engine by Salvatore Orlando, Raffaele Perego, and Fabrizio Silvestri**

<http://arxiv.org/abs/cs.IR/0407053>

### **Dictionary of Algorithms and Data Structures**

<http://xlinux.nist.gov/dads//>

### **DiffBot – Get Data From Web Pages Automatically**

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

### **Eliza - The Original ChatterBot**

<http://www-ai.ijs.si/eliza/eliza.html>

### **Ethereum Frontier Release - A Decentralized Software Platform**

<https://www.ethereum.org/>

### **FAME (Facilitating Agents in Multiculture Exchange) Project**

[http://cordis.europa.eu/projects/rcn/58337\\_en.html](http://cordis.europa.eu/projects/rcn/58337_en.html)

### **File Information Tool Set (FITS)**

<http://code.google.com/p/fits/>

### **Foundation for Intelligent Physical Agents**

<http://www.fipa.org/>

### **FyberSearch**

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

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**GeneSys Middleware**

<http://sourceforge.net/projects/genesys-mw/>

**Google Guide**

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

**Huginn - Your Agents Are Standing By**

<https://github.com/cantino/huginn>

**IBM Watson Services**

<http://www.ibm.com/smarterplanet/us/en/ibmwatson/developercloud/services-catalog.html>

**iMacros™ - Browser Based Macro Recorder and Intelligent Agent**

[http://wiki.imacros.net/Main\\_Page](http://wiki.imacros.net/Main_Page)

**Imagination Engines**

<http://www.imagination-engines.com/>

**Import.io - Instantly Turn Web Pages Into Data**

<https://import.io/>

**Indexing Robot Crawler Checklist**

<http://www.searchtools.com/robots/robot-checklist.html>

**Information Retrieval Intelligence**

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

**Institute for Human and Machine Cognition (IHMC)**

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

**Intellexer - Custom Built Search Engines, Knowledge Management Tools, Natural Language Processing**

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

**Intelligent Information Systems Research Laboratory**

<http://iis.ist.psu.edu/>



**International Journal of Agent-Oriented Software Engineering (IJAOSE)**  
<http://www.inderscience.com/jhome.php?jcode=ijsaose>

**KiwiLogic**  
<http://www.kiwilogic.com/>

**Kngine - Semantic Search and Answer Engine**  
<http://www.kngine.com/>

**Knowledge Discovery**  
<http://www.knowledgediscovery.info/>

**LAIR - Laboratory of Applied Informatics Research**  
<http://lair.unc.edu/>

**List of User-Agents (Spiders, Robots, Crawler, Browser)**  
<http://www.user-agents.org/index.shtml>

**Minimal-Intelligence Agents for Bargaining Behaviors in Market-Based Environments by Dave Cliff and Janet Bruten**  
<http://www.hpl.hp.com/techreports/97/HPL-97-91.html>

**MIT Media Lab: Software Agents**  
<http://agents.media.mit.edu/index.html>

**Modelling and Mining of Network Information Systems**  
<http://www.mathstat.dal.ca/~mominis/index.html>

**Motion AI - Artificial Intelligence Made Easy**  
<http://motion.ai/>

**Mozenda Web Agent Builder - Web Data Extraction**  
<http://www.mozenda.com/>

**MultiAgent**  
<http://www.MultiAgent.com/>

**MySpiders**  
<http://citeseerx.ist.psu.edu/viewdoc/summary?doi=10.1.1.21.3013>



**Networks and agents Network (NaN)**

<http://cnets.indiana.edu/groups/nan/>

**Neurence - Intelligent Information Platform**

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

**Nomibot - Bots Scour the Web To Bring You What You Want**

<http://nomibot.com/>

**Open Source Web Information Retrieval (OSWIR05)**

<http://www.emse.fr/OSWIR05/>

**Oxyus Search Engine**

<http://sourceforge.net/projects/oxyus/>

**ResearchKit Framework - Medical Research Apps**

<https://github.com/ResearchKit>

**Robo Brain - Large-scale Computational System That Learns From Publicly Available Internet Resources**

<http://robobrain.me/>

**RoboEarth - A Worldwide Web for Robots**

<http://www.roboearth.org/>

**Robots.Txt Checker - Validator for Robots.txt Files**

<http://tool.motoricerca.info/robots-checker.phtml>

**Robots.Txt - Robots Exclusion Standards**

<http://www.robotstxt.org/>

**Searchbots - Uniquely Searching the Internet**

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

**Search Engine Robots**

<http://www.jafsoft.com/searchengines/webbots.html>

**Search Engine Watch News**

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

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**Search Tools - Information Guides and News**

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

**SeerSuite - CiteSeerX Toolkit**

<http://sourceforge.net/projects/citeseerx/>

**Semantic Web**

<http://www.semanticweb.org/>

**ShoppingBots**

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

**Siri - Your Virtual Personal Assistant**

<http://siri.com/>

**SiteMaps.org**

<http://www.SiteMaps.org/>

**Smarter Bots**

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

**SocialBuzzBot - The Business and Social Intelligence Search Engine for Information Discovery from Social Communities**

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

**SocSciBot - Social Sciences Link Analysis Research**

<http://socscibot.wlv.ac.uk/>

**Spidering Hacks [book]**

<http://shop.oreilly.com/product/9780596005771.do>

**Spinn3r: RSS Content, News Feeds, News Content, News Crawler and Web Crawler APIs**

<http://spinn3r.com/>

**STACKS - Social Media Tracker, Analyzer, & Collector Toolkit at Syracuse**

<https://github.com/bitslabsyr/stack>





**Structure and Interpretation of Computer Programs - Video Lectures by Hal Abelson and Gerald Jay Sussman**

<http://groups.csail.mit.edu/mac/classes/6.001/abelson-sussman-lectures/>

**Supybot, A Superb Python IRC Bot**

[http://freecode.com/projects/supybot?branch\\_id=31808&release\\_id=181322](http://freecode.com/projects/supybot?branch_id=31808&release_id=181322)

**Swoogle - Semantic Bot**

<http://swoogle.umbc.edu/>

**TBot - Windows Live Messenger Translation Bot**

<http://blogs.msdn.com/b/translation/archive/2008/09/02/windows-live-messenger-translation-bot-now-available.aspx>

**TextRunner Search - Searches Hundreds of Millions of Assertions Extracted from 500 Million High-Quality Web Pages**

<http://openie.cs.washington.edu/>

**The Intelligent Software Agents Lab**

<http://www.cs.cmu.edu/~softagents/>

**The Lemur Toolkit - Language Modeling and Information Retrieval Research**

<http://www.lemurproject.org/>

**The Search Engine Project (TSEP)**

<http://freecode.com/projects/tsep>

**The Simon Lavern Page**

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

**The Web Robots Pages**

<http://www.robotstxt.org/orig.html>

**TSEP - The Search Engine Project**

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

**UMBC AgentWeb**

<http://agents.umbc.edu/>



**UMBC eBiquity**

<http://ebiquity.umbc.edu/>

**Webbot - the W3C libwww Robot**

<http://www.w3.org/Robot/>

**Web Curator Tool (WCT)**

<http://webcurator.sourceforge.net/>

**Web Data Extractors - White Paper Link Compilation**

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

**Web Intelligence Consortium**

<http://wi-consortium.org/>

**Web IR & IE**

<http://www.webir.org/>

**WolframAlpha Computational Knowledge Engine - Trillions of Pieces of Curated Data and Millions of Lines of Algorithms**

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

**Zakta - Personal and Social Deep Web Search Engine**

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



## **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/>

Agriculture Resources

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

AnswerSpot

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

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.FactCheckers.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/>

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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/>

World Wide Web Reference

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

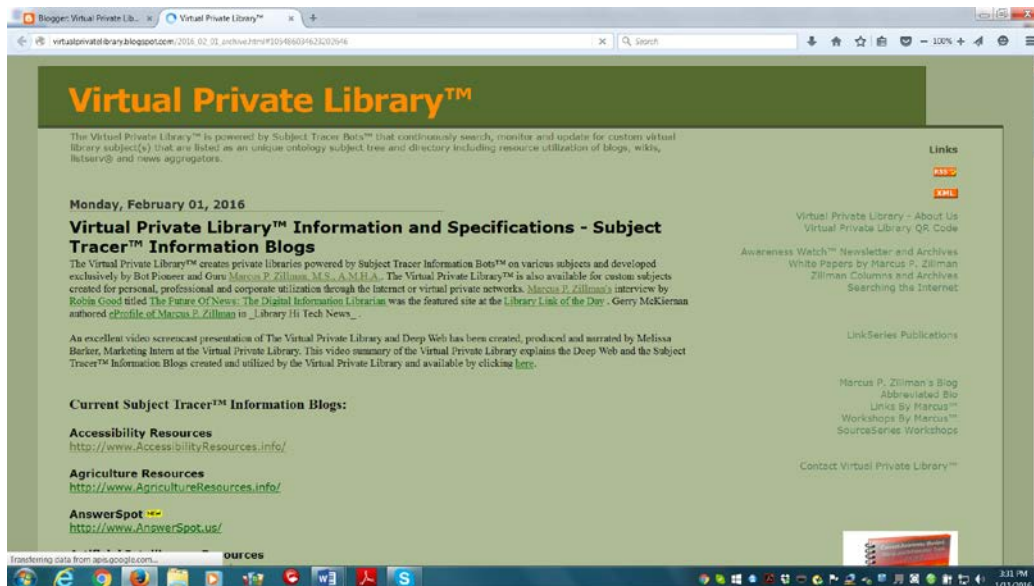


Figure 2: Virtual Private Library™

**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

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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 (18,000+ Postings)

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

Marcus P. Zillman Abbreviated Bio

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

White Papers by Marcus P. Zillman

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

Internet MiniGuides™

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

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/>

Watch Marcus™

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





listen to marcus™

<http://www.ListenToMarcus.com>

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

Academic and Scholar Search Engines and Sources

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

Bots, Blogs and News Aggregators

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

Business Intelligence Online Resources

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

Cloud Computing Resources Primer

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

Current Awareness Discovery Tools on the Internet

<http://www.zillman.us/white-papers/current-awareness-discovery-tools-on-the-internet/>

Deep Web Research and Discovery Resources 2016 Article - LLRX and Online White Paper

<http://zillman.blogspot.com/2015/12/llrx-deep-web-research-and-discovery.html>

<http://DeepWeb.us/>

eMarketing MiniGuide 2015

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

eReference Library Link Toolkit

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

Finding Experts By Using the Internet

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

Finding People Resources and Sites

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



Healthcare Bots and Subject Directories

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

Knowledge Discovery Resources 2016

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

New Economy Resources 2016

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

Online Research Browsers

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

Online Research Tools

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

Online Social Networking

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

Searching the Internet

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

Using the Internet As a Dynamic Resource Tool for Knowledge Discovery

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

Web Data Extractors

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

Web Guide for the New Economy

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

White Papers 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, f) Business Intelligence Resources, g) Reference Resources, and h) 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.

