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Materials Research & Manufacturing Section

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Materials Research & Manufacturing Section

Martha Rose Rhine and Betsy Aldridge Co-Chairs

Members of the Materials Research and Manufacturing Section of the Chemistry Division share information concerning all phases of materials procurement, production, applications, and handling by means of educational activities, cooperative programs, publications, and Section-sponsored events at annual conferences.

According to Quality Digest magazine (January, 2006, pg. 65), Six Sigma, a rigorous approach to quality, has saved thousands of corporations billions of dollars. Six Sigma originated in manufacturing and more recently expanded into the service arena.

During the MRM Roundtable discussion planned for the 2006 conference in Baltimore, librarians from organizations like Sun Microsystems, Ford Motor Co., and PACCAR, Inc. will share their successes and struggles with creation of and involvement in real Six Sigma projects. These include activities such as identifying core library processes (process mapping), creating customer satisfaction measurement systems, using

the Japanese 5S technique to reduce waste, and implementing document-linking services to decrease customer clicks. You'll hear about DMAIC, Green Belts, and learn of resources/solutions provided in the Six Sigma world to improve your services.

We're already welcoming ideas for the 2007 conference. Please contact Co-Chairs Marty Rhine, mrrhine@yahoo.com, or Betsy Aldridge, betsy.aldridge@paccar.com / (360)757-5234, with your ideas.

Betsy Aldridge
MRM Section Co-Chair



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**Blogs for MRM
by Betsy Aldridge**

Here are some materials and manufacturing-related blogs. If you know of others, please send information to MRM Co-Chair Betsy Aldridge, betsy.aldridge@paccar.com, (360)757-5234, for possible inclusion in future newsletters.

Blogs of Interest

1) Mass Spectrometry Blog - <http://msblog.kermitmurray.com/index.html>

An example of a recent useful item is a link to the announcement of the new *Wiley Registry of Mass Spectral Data* (software), 8th Edition, ISBN: 0-470-04785-2 - see <http://www.wiley.com/WileyCDA/WileyTitle/productCd-0470047852,miniSiteCd-STMDB.html>.

2) Science Blog - <http://www.scienceblog.com/cms/index.php>

CNET named Science Blog one of their Blog 100. Some examples of materials/manufacturing-related items are: "Laser-assisted machining will make ceramic parts less costly" at <http://www.scienceblog.com/community/older/2000/D/200003576.html>.

"Mixed metals not so mixed up at the nano-level" at http://www.scienceblog.com/cms/mixed_metals_not_so_mixed_up_at_the_nano-level_9510

"Rapid prototyping enables mass customization" at

<http://www.scienceblog.com/cms/node/3266>

3) AIMCAL blogs - <http://www.aimcalblogs.com> from The Association of Industrial Metallizers, Coaters and Laminators. The blogs cover web coating and laminating, vacuum web coating, web handling and converting specialty web coating. See <http://www.aimcal.org/association/news.asp> for more details.

4) Biodiesel blog - <http://biodieselblog.com/>

Articles About Blogs

On a related note, you might want to read these articles below on applications of blogs in the materials/manufacturing worlds. Please send others you recommend to Co-Chair Betsy Aldridge, betsy.aldridge@paccar.com, (360)757-5234, for possible inclusion in future newsletters.

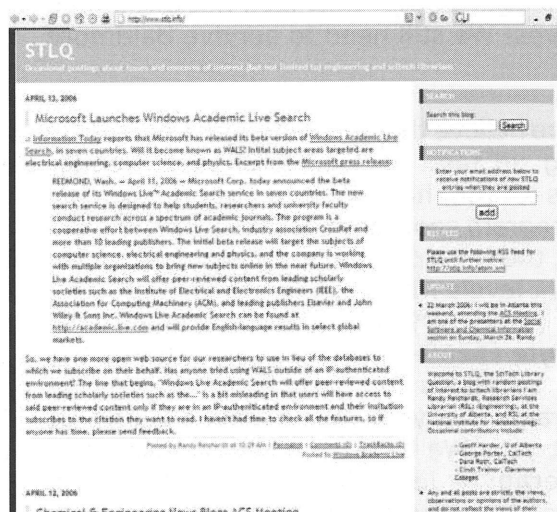
1) Take a look at the January 21, 2006, *Applied Surface Science* (v.252, n.7) article entitled "Blog-based Research Notebook: Personal Informatics Workbench for High-throughput Experimentation," authored by Shin-Ichi Todoroki (primary author) of the Advanced Materials Laboratory of the National Institute for Materials Science, Japan. It was presented at the Third Japan-US Workshop on Combinatorial Material Science and Technology (CMST-e SI)

held December 7-10, 2004. The authors claim 4 years of experience using blogging as an "electronic research notebook."

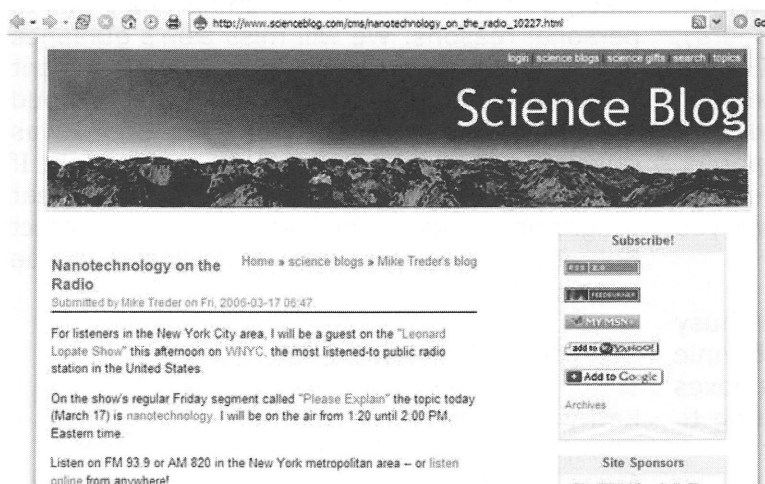
2) James J. Robinson, an editor for Minerals, Metals and Materials Society's journal, *JOM*, used blogging technology for the first time to log his 2005 Materials Science and Technology conference experience in an article entitled "Four days at MS and T '05: One editor tries blogging on the "H" word, nano, bio, sensors, materials, and CSI" in the November, 2005 issue of *JOM* (v.57, n.11, p.31-34). See also [http://doc.tms.org/ezMerchant/prodtms.nsf/ProductLookupItemID/JOM-0511-31/\\$FILE/JOM-0511-31F.pdf?OpenElement](http://doc.tms.org/ezMerchant/prodtms.nsf/ProductLookupItemID/JOM-0511-31/$FILE/JOM-0511-31F.pdf?OpenElement)

3) See also Randy Reichardt's article entitled "Weblogs: Their use and application in science and technology libraries" Randy is affiliated with the Science and Technology Library of the University of Alberta. The source of the article is *Science and Technology Libraries* (v.25, n.3, 2005, p.105-116). This article provides 26 references.

Reichardt is also involved with sci-tech blogs - see <http://stlq.info/> - "the SciTech Library Question, a blog with random postings of interest to scitech librarians..."



<http://stlq.info>



<http://www.scienceblog.com>