

Web 2.0 and Medical Physics

Marius Treutwein

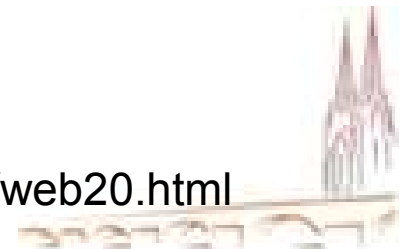


What is Web 2.0?

- O'Reilly Media 2004
 - Name of a conference
 - No version number
 - Life Software
- No clear definition
- New Way using the Internet
 - Web browser
- Users add value (co-developers)

„Diagram removed“

From:
<http://www.oreilly.de/artikel/web20.html>



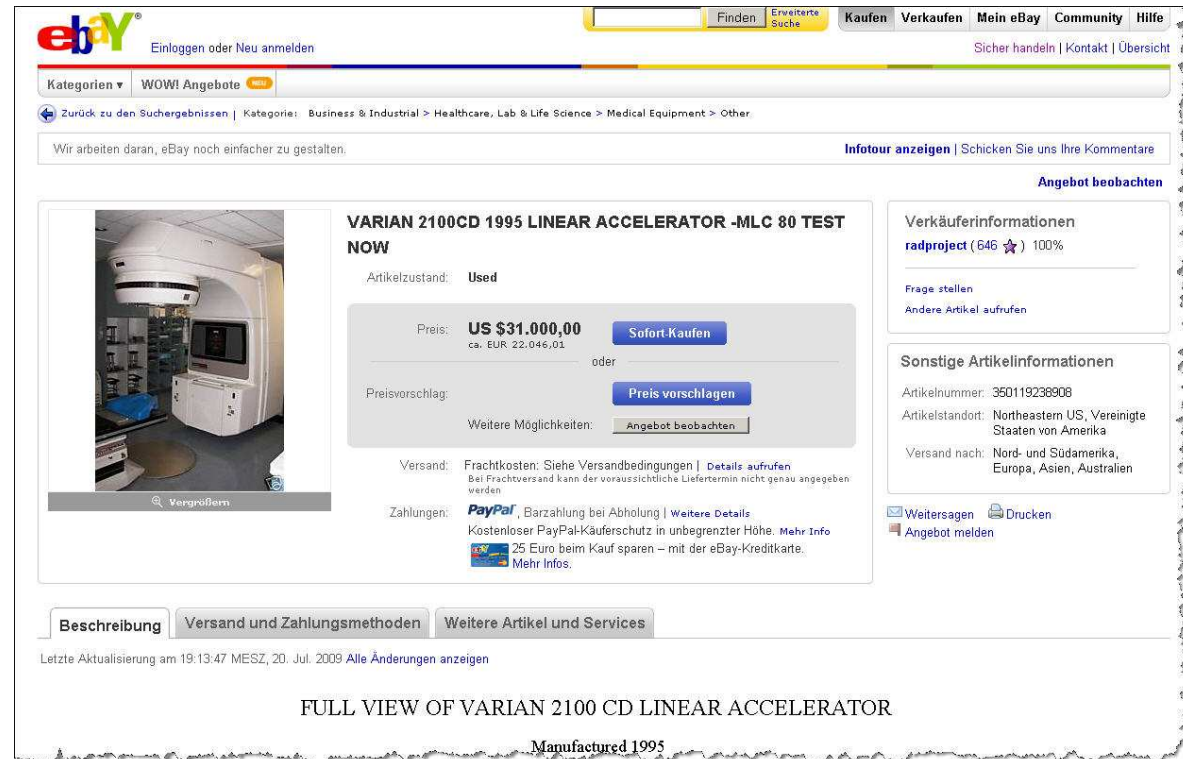
Applications and Services

Online shopping and auction website

ebay

– Sell or buy

- Hardware
- Software
- Machines
- Parts



VARIAN 2100CD 1995 LINEAR ACCELERATOR -MLC 80 TEST NOW

Artikelzustand: **Used**

Preis: **US \$31.000,00**
ca. EUR 22.046,01

Sofort Kaufen

Preisvorschlag: **Preis vorschlagen**

Weitere Möglichkeiten: **Angebot beobachten**

Versand: Frachtkosten: Siehe Versandbedingungen | Details aufrufen
Bei Frachtversand kann der voraussichtliche Liefertermin nicht genau angegeben werden

Zahlungen: **PayPal**, Barzahlung bei Abholung | Weitere Details
Kostenloser PayPal-Käuferschutz in unbegrenzter Höhe. Mehr Info
25 Euro beim Kauf sparen – mit der eBay-Kreditkarte. Mehr Infos.

Verkäuferinformationen
radproject (646 ☆) 100%

Frage stellen
Andere Artikel aufrufen

Sonstige Artikelinformationen
Artikelnummer: 350119238908
Artikelstandort: Northeastern US, Vereinigte Staaten von Amerika
Versand nach: Nord- und Südamerika, Europa, Asien, Australien

Weitersagen Drucken
Angebot melden

Beschreibung Versand und Zahlungsmethoden Weitere Artikel und Services

Letzte Aktualisierung am 19:13:47 MESZ, 20. Jul. 2009 Alle Änderungen anzeigen

FULL VIEW OF VARIAN 2100 CD LINEAR ACCELERATOR

Manufactured 1995

Applications and Services

Encyclopaedias

Wikipedia

- Participation
- Different Languages
- Picture and photo sharing

Wikipedia article: **Bremsstrahlung**

From Wikipedia, the free encyclopedia

Bremsstrahlung (pronounced [ˈbrɛmsˌʃtʁalʊŋ] [help·info], from German *bremsen* "to brake" and *Strahlung* "radiation", i.e. "braking radiation" or "deceleration radiation"), is electromagnetic radiation produced by the **acceleration** of a charged particle, such as an **electron**, when deflected by another charged particle, such as an atomic nucleus. The term is also used to refer to the process of producing the radiation. *Bremsstrahlung* has a continuous spectrum. The phenomenon was discovered by Nikola Tesla^[*citation needed*] during high frequency research he conducted between 1888 and 1897.

Bremsstrahlung may also be referred to as free-free radiation. This refers to the radiation that arises as a result of a charged particle that is free both before and after the deflection (acceleration) that causes the emission. Strictly speaking, *bremsstrahlung* refers to any radiation due to the acceleration of a charged particle, which includes synchrotron radiation; however, it is frequently used (even when not speaking German) in the more narrow sense of radiation from electrons stopping in matter.

The word *Bremsstrahlung* is retained from the original German to describe the radiation which is emitted when electrons are decelerated or "braked" when they are fired at a metal target. Accelerated charges give off electromagnetic radiation, and when the energy of the bombarding electrons is high

Bremsstrahlung produced by a high-energy electron deflected in the electric field of an atomic nucleus

Bremsstrahlung cross section for the emission of a photon with energy 30 keV by an electron impacting on a proton.

Beschreibung

Erzeugung von Röntgenbremsstrahlung durch Abbremsung eines schnellen Elektrons in dem Coulombfeld eines Atomkerns (schematische Darstellung)

References

- Martin, Dylan (2005). X-Ray Detection . University of Arizona Optical Sciences Center. Retrieved on 2008-12-05.
- Flynn, Chris (2001). 6.6.2 Free-Free or Bremsstrahlung Scattering . Tuorla Observatory. Retrieved on 2008-12-05.

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Applications and Services

Mailing Lists

- Mail program or Browser
- Database
- User Groups
 - Regional
 - Applicational
 - Manufatural
 - ...

Mailing Lists

The following mailing lists and web sites may be of interest to those in the radiation sciences. With mailing lists the postings arrive at your terminal as email. Responses are sent via email to the listserver (i.e., to ALL subscribers) or privately. You will automatically receive instructions on how to unsubscribe after you subscribe to the list.

The AAPM Mailing Lists

The AAPM supports a number of **official mailing lists** for announcements, solicitation of member feedback and other AAPM business. You are automatically subscribed to the the members' one-way list if you are an AAPM member and have your email address on file in the membership directory. The contact for posting to this list is the AAPM's listmaster, **Michael Woodward**. The AAPM also supports a number of closed 2-way lists for committees and other of its working groups.

A number of **AAPM Regional Chapters** also have their own mailing lists, some hosted by the AAPM, others hosted elsewhere. Some are unmoderated two-way discussion lists and are used for announcing chapter meetings and discussing chapter issues. AAPM chapter members may or may not be automatically subscribed depending on their chapter's mode of operating the list. Contact the Chapter President for the details of a given list.

Members of the American medical physics community seeking a national two-way list to discuss organizational or national issues may use MedPhysUSA without regard to membership in any particular organization.

Diagnostic Imaging Medical Physicists List (DXIMGMEDPHYS)

To subscribe, simply send the following text in the body of a message (not subject!) to listserv@hermes.gwu.edu:

subscribe Name-of-the-list Your-First-Name Your-Last-Name
example: subscribe DXIMGMEDPHYS John Doe

Please note that your message cannot contain any other text, such as your signature file. Any other text is interpreted as a command, the LISTSERV server will return errors.

The American Medical Physics Mailing List (MedPhysUSA)

MedPhysUSA provides an unmoderated two-way forum for issues that have limited interest outside of the USA and that would be inappropriate or inconsiderate to send to physicists worldwide via Global MedPhys. Topics may include government reimbursement, state and federal regs, certifying boards, job postings, local and regional meeting announcements, etc. However everyone, regardless of location, is welcome to subscribe. Global MedPhys and MedPhysUSA subscriptions are completely independent of each other even though they come from the same listserver. You subscribe via the **website** or by sending email with the text:

subscribe MedPhysUSA firstname lastname
without punctuation, degrees, certifications, military rank, etc. to listserv@lists.wayne.edu

For example send
subscribe MedPhysUSA John Doe
to the LISTSERV address from the email address where you wish to receive the email.

The subject field is unimportant, only the text of the message is read by the Listserv software.

Subscription options and list archives are available at lists.wayne.edu/archives/medphysusa.html.

The Global Medical Physics Mailing List (MedPhys)

<http://www.aapm.org/links/medphys/>

Applications and Services Web Forums

- <http://www.medphysfiles.com>
- <http://www.advancedphysics.org/forum/>
- <http://www.radiotherapy.com/>
– PW: fletcher
- <http://www.strahlentherapie-forum.de/index.php>
- <http://www.otp-usergroup.de/forum/>



MEDPHYS FILES

Home • Downloads • Community Forums • My Account

August 4, 2009

Welcome to MedPhys Files!

You can also browse other websites and submit the MIT open source license for research and

User Name Password ☐ Remember Me?

Please contact Nathan Childress by using the file.

Advanced Physics Forums

Home Register FAQ Members List Calendar News New Posts Search

radiotherapy.com

Forums for radiotherapy.com

Up One Level

Available Forums

Equipment Posts: 1262 Last Post: 07-15-09 02:55

Strahlentherapie-Forum

ak-user.de

Willkommen im ak-user.de - Strahlentherapie-Forum

Sie sind nicht angemeldet. Wenn dies Ihr erster Besuch hier ist, lesen Sie sich die [Hilfe des Forums](#) durch. Dort wird Ihnen die Bedienung des Forums näher erklärt. Sie müssen außerdem registriert sein, um alle Funktionen dieses Forums zu nutzen. Benutzen Sie das [Registrierungsformular](#) um sich zu registrieren oder [informieren](#) Sie sich ausführlich über den Registrierungsprozess. Um Beiträge zu lesen, suchen Sie sich das Forum aus, das Sie interessiert. Falls Sie bereits in diesem Forum registriert sind, können Sie sich [hier](#) anmelden.

Anmelden

phpbb creating communities

www.otp-usergroup.de
Anwenderforum für das Bestrahlungsplanungsmodul von Oncentra

FAQ Suchen Mitgliederliste Benutzergruppen Profil Sie haben keine neuen Nachrichten Logout [tre]

Ihr letzter Besuch war am: Mo, 03.08.2009 14:16
Aktuelles Datum und Uhrzeit: Di, 04.08.2009 09:29
www.otp-usergroup.de Foren-Übersicht

Forum	Themen	Beiträge	Letzter Beitrag
Aktuelle Nutzungsregeln / Forum Rules			
Bitte zuerst lesen! / Please read first! Bitte erst lesen und dann registrieren und posten. Diese Regeln werden mit der Registrierung bzw. dem Posten von Beiträgen verbindlich anerkannt. / Read the rules first, please! By using this board you agree to all these rules.	1	1	Sa, 21.10.2009 05:01 xxxxxx
Oncentra Treatment Planning			
Ankündigungen Hier finden Sie Ankündigungen rund um OTP. Moderatoren: Susanne , Sakka	0	0	Keine Beiträge
Anregungen und Änderungswünsche Hier haben Sie die Möglichkeit, über Änderungswünsche und Anregungen zu diskutieren. Moderator: Sakka	3	6	Sa, 27.01.2007 19:07 mimmi
Fragen und Antworten Allgemeine Fragen und Antworten rund um OTP Moderator: Sakka	8	23	Sa, 22.09.2007 18:51 mimmi
Diskussionen Moderator: Sakka	4	13	Do, 10.04.2008 18:24 mimmi
Bekannte Fehler und Einschränkungen Hier finden Sie Informationen zu bekannten Fehlern und Einschränkungen. Dieses Forum bietet nicht die Möglichkeit, Fehlermeldungen abzugeben. Die Meldung neuer Fehler ist weiterhin nur über TheraNcotic möglich. Moderatoren: Susanne , Sakka	0	0	Keine Beiträge

Alle Foren als gelesen markieren

Wer ist online?

Unsere Benutzer haben insgesamt 49 Artikel geschrieben.
Wir haben 48 registrierte Benutzer.
Der neueste Benutzer ist [Endelsch](#).
Insgesamt ist 1 Benutzer online: 1 registrierter, kein versteckter und kein Gast. [Administrator] [Moderator]
Der Rekord liegt bei 9 Benutzern am Do, 11.03.2004 19:53.
Registrierte Benutzer: 18

Diese Daten zeigen an, wer in den letzten 5 Minuten online war.

Alle Zeiten sind GMT + 1 Stunde

Moderatoren: [Voelke](#), [Wernhold](#)

[Voelke](#), [Wernhold](#)

[Voelke](#), [Wernhold](#)

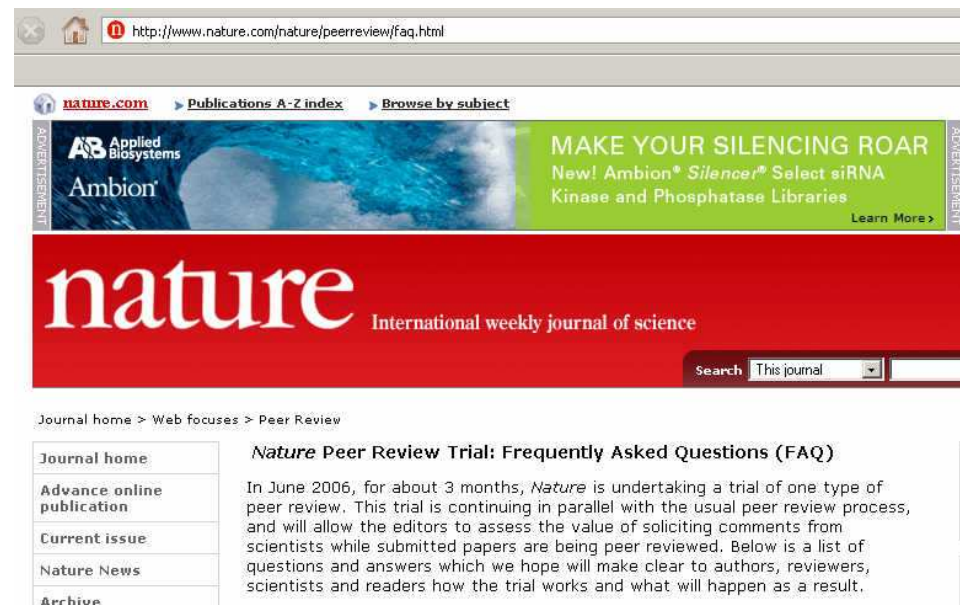
[Voelke](#), [Wernhold](#)

[Voelke](#), [Wernhold](#)

Applications and Services

Journals

- Online is not sufficient
- Peer Review
 - Filter
 - Open peer review
- Nature Trial 2006
 - Open Website
 - User Comments
 - Only 5% of Authors agreed
 - Less than half of them got comments



Applications and Services

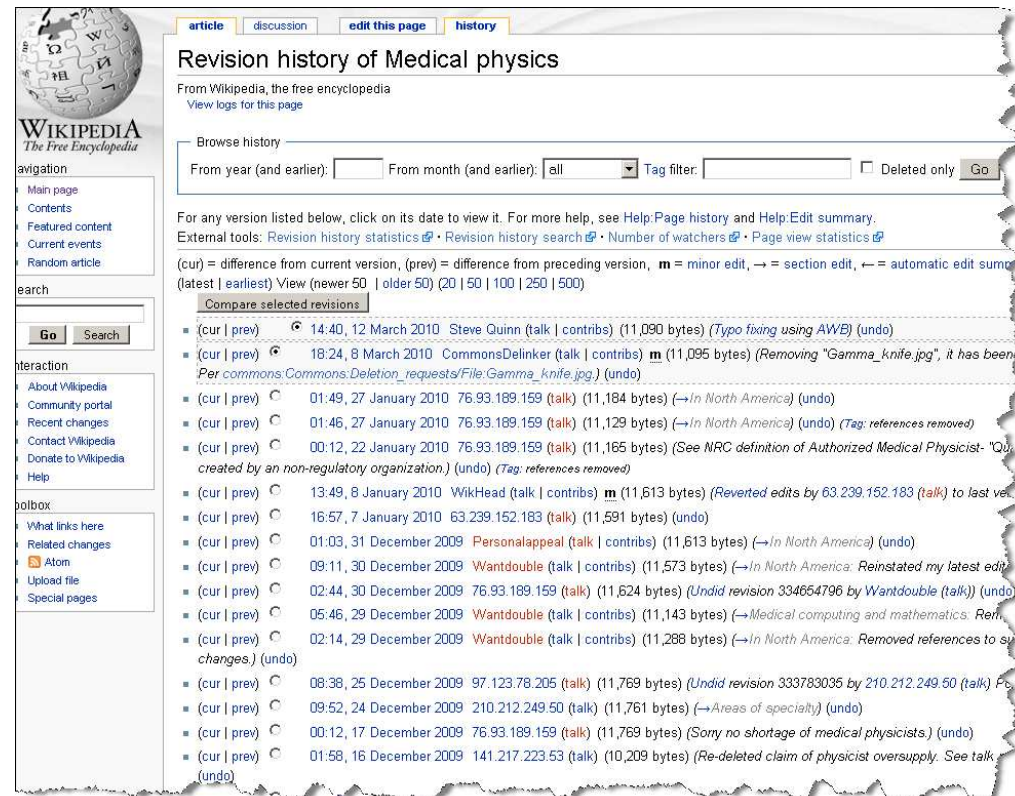
Others

- Blogs
 - <http://penscience.wordpress.com/>
- Online Bookmark Collections
 - <http://delicious.com>
 - Tagging
- Foto Sharing Services
 - Tagging
 - Licenses
- Video Sharing Services
 - Interviews
 - Documentations
 - Teaching Videos, Lectures
 - Product Presentations



Usage

- Ebay
 - USA
- Wikipedia
- Mailing Lists
- Bookmark Collections
- Foto- and Video sharing
- Forums
- Blogs
- Journals



Discussion

- All well accepted applications are not dedicated to medical physics.
- Some applications are hard to find.
- Forums:
 - For many web forums there are competing mailing lists.
 - For some web forums the target group might be too small.
 - Regular user meetings and service support might help in many cases.
- Blogs:
 - Time consuming
 - Enjoyment? ¹
- Journals
 - There is no Web 2.0 journal.
 - Fear for loosing results to a competitor.

¹Stöckl R, Rohrmeier P, Hess T. Why Customers Produce User Generated Content. In: Hass B, Walsh G, Kilian T, editors. Web 2.0. Neue Perspektiven für Marketing und Medien. Berlin, Heidelberg: Springer; 2008, p. 272–87.



Conclusion

- Improvement of keywords in the header of Websites.
- There is still the chance for more offers .

