

Case-Based Reasoning – Service

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With this compilation of resources related to case-based reasoning, we want to provide you with some starting points for reading and web search.

CBR in the Web

- The special interest group knowledge management (Wissensmanagement) of the German Society for Computer Science (GI) emerged from the fusion of the former special interest groups on case-based reasoning and knowledge management. The group regularly publishes a newsletter on related topics. See: www.fgwm.de
- There is an international Yahoo newsgroup on CBR. See: tech.groups.yahoo.com/group/case-based-reasoning/
- There is also a LinkedIn group on Case-Based Reasoning. See linkedin.com/groups?gid=789187
- The recently started "Case-Based Reasoning Wiki" is currently created and maintained by members of the CBR community. See: cbrwiki.fdi.ucm.es/wiki
- Bergmann, R., Althoff, K.-D., Breen, S., Göker, M., Manago, M., Traphöner, R. & Wess, S. *Developing industrial case-based reasoning applications: The INRECA methodology*. 2nd Edition. LNAI 1612, Springer, 2003.
- *Special Issue on CBR in the Knowledge Engineering Review*, 20(3), Cambridge University Press 2005.
- Hüllermeier, E. *Case-Based Approximate Reasoning*. Series: Theory and Decision Library B, Vol. 44, Springer, 2007. (See book review in this volume)
- Avramenko, Y., Kraslawski, A. *Case Based Design Applications in Process Engineering*, Series: Studies in Computational Intelligence, Vol. 87, Springer, 2008.
- Perner, P. *Case-Based Reasoning on Images and Signals*. Series: Studies in Computational Intelligence, Vol. 73, Springer, 2008.
- Special Issue on "Experience Management" in "Künstliche Intelligenz" 4/07.
- Althoff, K.-D., Bergmann, R., Minor, M. & Hanft, A. (2008). *Advances in Case-Based Reasoning*. 9th European Conference, ECCBR 2008, Trier, Germany, September 1-4, 2008, Proceedings, Lecture Notes in Artificial Intelligence, Vol. 5239

Conferences and Workshops

- The main conferences on CBR are the „European Conference on Case-Based Reasoning (ECCBR, see eccbr.org)“ and the „International Conference on Case-Based Reasoning (ICCBR, see iccb.org)“
- The German workshops on „Knowledge Management“ and „Experience Management“ of the GI special interest group on knowledge management take place regularly as part of the biannual "Conference on Professional Knowledge Management" (WM) and the annual workshop series LWA ("Lernen-Wissen-Adaptivität").
- A special track on CBR takes place regularly at the annual International Florida Artificial Intelligence Research Society Conference (FLAIRS, siehe flairs.com).

Books and Journals

- Bergmann, R. *Experience Management: Foundations, Development Methodology, and Internet-Based Applications*, LNAI 2432, Springer, 2002.

Competitions

- The 2nd Computer Cooking Contest on case-based reasoning applied to recipe creation is announced at: www.wi2.uni-trier.de/cc09

Tools (free and commercial)

- Empolis' e:IAS is a commercially available CBR tool, see: www.empolis.com
- myCBR is an open-source CBR tool developed by the DFKI, see: mycbr-project.net and the article by Stahl & Roth-Berghofer in this volume.
- jColibri by the Complutense University of Madrid is a free CBR Framework, see: gaia.fdi.ucm.es/grupo/projects/jcolibri/
- IUCBRF by Indiana University (USA) is a free framework for CBR, see: cs.indiana.edu/~sbogaert/CBR