

[Home](#) * [Engines](#) * [Shredder](#)



Deep Shredder 13 default desgin
and window layout [\[1\]](#)

Shredder,

a chess engine by [Stefan Meyer-Kahlen](#) (SMK). Shredder won an astonished number of tournaments and titles, beside various [World Computer Chess Championships](#), [World Microcomputer Chess Championships](#) and [World Chess Software Championships](#), the [IPCCC](#), the [International CSVN Tournament](#), the [CSVN Programmers Tournament](#), and more. Shredder had its debut at the [WMCCC 1995](#) in [Paderborn](#), and soon after winning the first title at the [WMCCC 1996](#) in [Jakarta](#), Shredder went commercial, distributed by [Millennium 2000 GmbH](#) - since Shredder **3** along with the [Millennium Chess System](#) (MCS), since Shredder **5** also developed by SMK supporting the [UCI](#) protocol, which was co-designed and implemented by the same author. Therefor, Shredder may use any UCI-compatible [graphical user interface](#), in particular its own [Shredder Classic GUI](#). The long-awaited Shredder **13** and its [multiprocessor](#) counterpart **Deep Shredder 13** were released on October 30, 2016.

Table of Contents

[Photos & Games](#)

[WCCC 1999](#)

[WCSC 2015](#)

[Achievements](#)

[Description](#)

[Portability](#)

[Clever & Smart](#)

[Deep Shredder](#)

[Pocket Shredder](#)

[Shredder Mobile](#)

[Shredder for Android](#)

[Shredder Classic GUI](#)

[Release Dates](#)

[Publications](#)

[Forum Posts](#)

[1996 ...](#)

[2000 ...](#)

[2005 ...](#)

[2010 ...](#)

[2015 ...](#)

[External Links](#)

[Chess Engine](#)

[Shredderbases](#)

[Misc](#)

[References](#)

[What links here?](#)

Photos & Games

WCCC 1999



[WCCC 1999](#), round 6: [Ferret](#) - [Shredder](#), [Stefan Meyer-Kahlen](#) and [Bruce Moreland](#) ^[2] ^[3]

```
[Event "WCCC 1999"]
[Site "Paderborn, Germany"]
[Date "1999.06.18"]
[Round "6"]
[White "Ferret"]
[Black "Shredder"]
[Result "1/2-1/2"]
```

```
1.e4 e5 2.Nf3 Nc6 3.Bc4 Bc5 4.b4 Bxb4 5.c3 Ba5 6.d4 exd4 7.O-
O Nge7 8. cxd4 d5
9.exd5 Nxd5 10.Ba3 Be6 11.Bb5 Bb4 12.Bxc6+ bxc6 13.Bxb4 Nxb4 14.Qa4 Qd
6 15.Nc3
Nd3 16.d5 Nc5 17.Qxc6+ Qxc6 18.dxc6 Ke7 19.Rfe1 Nd3 20.Re3 Nb4 21.Nd4
Rhd8 22.Rd1
Kf6 23.a3 Nd5 24.Ne4+ Ke7 25.Ree1 Bg4 26.f3 Bc8 27.Nc5+ Kf6 28.Nb5 Be6
29.Na6 Rac8
30.Nbxc7 h5 31.h3 h4 32.a4 Nxc7 33.Rxd8 Rxd8 34.Nxc7 Rc8 35.Nxe6 fxe6
36.Rc1 e5
37.Kf2 Ke6 38.g3 hxg3+ 39.Kxg3 Kd6 40.Rd1+ Ke6 41.Rd7 Rxc6 42.Rxg7 Rc3
43.Rg4 Kf5
44.h4 Rc1 45.h5 Rc6 46.Rg7 Ra6 47.Rg4 Rc6 48.Rg7 Ra6 49.Rg8 Rb6 50.Kh4
Rb4+ 51.Kg3
Rb6 52.Kh4 Rb4+ 53.Rg4 Rb2 54.Kg3 Rb6 55.a5 Rd6 56.Rg7 Ra6 57.Rg8 Rd6
58.Kh4 Rd4+
59.Kg3 Rd6 60.Rb8 Kg5 61.Re8 Rd5 62.a6 Ra5 63.Re7 e4 64.Rxa7 Ra3 65.Kf
```

2 Rxf3+

66.Ke2 Kxh5 67.Ra8 Rf7 68.Ke3 Re7 69.Rb8 Kg6 70.Rb6+ Kf5 1/2-1/2

WCSC 2015



[WCSC 2015](#), Shredder is winning the first blitz play-off game with Black vs. [Ginkgo](#) operated by [Ingo Bauer](#)

```
[Event "WCSC 2015 Play-off 2"]
[Site "Leiden, The Netherlands"]
[Date "2015.07.05"]
[Round "9.1"]
[White "Ginkgo"]
[Black "Shredder"]
[Result "0-1"]
```

```
1.e4 c5 2.Nf3 e6 3.d4 cxd4 4.Nxd4 a6 5.Bd3 Nf6 6.O-
O d6 7.c4 Bd7 8.Nc3 Nc6 9.Nxc6 Bxc6
10.Be3 Be7 11.f3 O-O 12.Qc2 Nd7 13.Rfd1 Nc5 14.Be2 Qb6 15.Rab1 a5 16.N
b5 Rfd8 17.Nd4 Bf6
18.g3 Qa7 19.b3 Be8 20.a3 a4 21.b4 Nb3 22.Qd3 Nxd4 23.Bxd4 Qxd4+ 24.Qx
d4 Bxd4+ 25.Rxd4 Kf8
26.Kf2 b6 27.Rc1 e5 28.Rd2 f6 29.f4 Ke7 30.Rdc2 Rac8 31.Ke3 Rc6 32.Bf3
Rc7 33.h4 h5 34.Be2
Rb8 35.Rd2 Bf7 36.Rcd1 Rd8 37.f5 g6 38.fxg6 Bxg6 39.Rg1 Rg8 40.Rgd1 Bf
7 41.Kf2 Rd8 42.Ke3
Be6 43.Rc1 Rg8 44.Kf2 Bg4 45.Bd3 Rc6 46.Kg2 Rf8 47.Rf1 Be6 48.Rc2 Rcc8
49.Rcc1 Bg4 50.Rc2
Ke6 51.Rd2 Rc7 52.Rdf2 Ke7 53.Rc1 Be6 54.Kh2 Rg8 55.Rd2 Bf7 56.Be2 Bg6
57.Rcd1 Rd8 58.Bd3
Bf7 59.Rc2 Be6 60.Rf1 Rdc8 61.Rfc1 Bd7 62.Kg2 Rh8 63.Be2 Bc6 64.Bf3 Rh
```

```
c8 65.Kf2 Bb7 66.Bg2
Rf8 67.Rf1 Bc8 68.Bf3 f5 69.Kg1 Rg8 70.Kh2 fxe4 71.Bxe4 Be6 72.Rfc1 Rg
c8 73.Bd3 Rf8 74.Kg2
d5 75.Re1 dxc4 76.Bg6 Bd5+ 77.Kh2 Kd6 78.Bxh5 e4 79.Bd1 c3 80.Rce2 e3
81.Kh3 Be6+ 82.Kg2
Rf2+ 83.Rxf2 exf2 84.Kxf2 c2 85.Bxc2 Rxc2+ 86.Re2 Rxe2+ 87.Kxe2 Bg4+ 8
8.Kd3 Kd5 89.b5 Bh5
90.Kc3 Ke4 91.Kc4 Be2+ 92.Kc3 Ke3 93.g4 Bxg4 94.Kc4 0-1
```

Achievements

Quote from *Shredder Chess* ^[4] :

The Shredder chess programs by Stefan Meyer-Kahlen provide a game playing and analysis tool for everybody and are accepted as one of the best chess programs of the world. Since 1996 Shredder has won twenty titles.

1. [1996 World Micro Computer Chess Champion](#) in [Jakarta](#)
2. [1999 World Micro Computer Chess Champion](#) in [Paderborn](#)
3. [1999 World Computer Chess Champion](#) in [Paderborn](#)
4. [2000 World Micro Computer Chess Champion](#) in [London](#)
5. [2001 World Micro Computer Chess Champion Single CPU](#) in [Maastricht](#)
6. [2002 World Computer Chess Blitz Champion](#) in [Maastricht](#)
7. [2003 World Computer Chess Champion](#) in [Graz](#)
8. [2003 World Computer Chess Blitz Champion](#) in [Graz](#)
9. [2004 World Computer Chess Blitz Champion](#) in [Ramat Gan](#)
10. [2005 World Computer Chess Blitz Champion](#) in [Reykjavik](#)
11. [2006 World Computer Chess960 Champion](#) in [Mainz](#)
12. [2007 World Computer Chess Blitz Champion](#) in [Amsterdam](#)
13. [2009 World Computer Chess Champion](#) in [Pamplona](#)
14. [2009 Computer Olympiad \(no hardware limit\)](#) in [Pamplona](#)
15. [2009 World Computer Chess Blitz Champion](#) in [Pamplona](#)
16. [2010 World Computer Chess Blitz Champion](#) in [Kanazawa](#)
17. [2010 World Computer Chess Software Champion](#) in [Kanazawa](#)
18. [2013 World Computer Chess Blitz Champion](#) in [Yokohama](#)
19. [2015 World Computer Chess Software Champion](#) in [Leiden](#)
20. [2017 World Computer Chess Software Champion](#) in [Leiden](#)

Description

Description given in 1999 from the [ICCA](#) tournament site ^[5] :

Shredder has started in 1995 as a project at university. Good

tournament and test results encouraged me to spend more work in it and lead to the winning of the 1996 WMCCC in Jakarta. Shredder has been commercially available since then and continued to perform very well in computer chess championships. It was 3rd in Paris 1997 and managed to finish as the runner up in the blitz championship there. Shredder is written in [ANSI-C](#) and therefore it can easily compiled on various hardware platforms. I think Shredder has good chances in Paderborn this year because it is one of the strongest computer chess programs running on an micro around.

Portability

Since Shredder is written in [C](#), it is available for various hardware platforms, such as [PC](#), [Macintosh](#), and [PDAs](#), and various operating systems like [Windows](#), [Linux](#) ^[6] and [Mac OS](#) ^[7].

Clever & Smart

[Clever & Smart](#) was an experimental triple-brain version of Shredder which played the [IPCCC 1998](#).

Deep Shredder

Deep Shredder, first released in 2001 based on **Shredder 5** ^[8], is the [multiprocessor](#) version of Shredder. The most recent version, **Deep Shredder 13** ^[9] released on October 30, 2016 ^[10], is the further developed [2015 World Computer Chess Software Champion](#), which was a complete rewrite based on [bitboards](#). Deep Shredder 13 has improved more than 300 Elo over Shredder 12 ^[11].

Pocket Shredder

Pocket Shredder is a version for [Windows PDAs](#), such as [iPAQ](#) ^[12].

Shredder Mobile

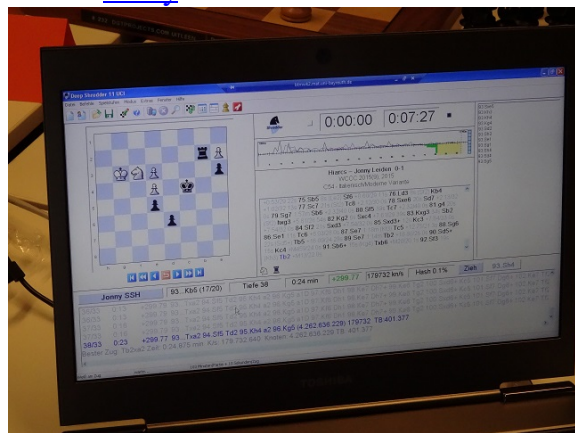
Shredder Mobile runs on most mobile phones with [Java](#) ^[13].

Shredder for [Android](#)



Shredder Classic [GUI](#)

Shredder comes with a clear and reliable [graphical user interface](#) which evolved from the [Millennium Chess System](#) - supporting the [universal chess interface](#) ^[14], also compatible with other [UCI engines](#) running under [Windows](#), [Linux](#) or [Mac OS](#). The Shredder GUI is favored by many programmers playing over the board tournaments with their engines, for instance [Johannes Zwanzger](#) and his [WCCC 1995](#) winner [Jonny](#).



[Jonny's](#) final [WCCC 2015](#) screen in the game versus [Hiarcs](#) using the [Shredder GUI](#)

Release Dates

- Shredder 1.0: 1996
- Shredder 2.0: 1998
- Shredder 3.0: 1999
- Shredder 4.0 : 2000
- Shredder 5.0 : 2001

- Shredder 5.32 : June 2001
- Shredder 6.0 : December 2001
- Shredder 7.0 : December 2002
- Shredder 7.04 : 2003
- Shredder 8 : February 2004
- Shredder Classic 1.1 : October 2004
- Shredder 9 : February 2005
- Shredder 9.1 :
- Shredder 9.12 : December 2005
- Shredder Classic 1.3 : ?
- Shredder 10 : June 2006
- Shredder 10.1 : April 2007
- Shredder 11 : October 2007
- Shredder 11 SE
- Shredder WM Edition Bonn : October 2008
- Shredder 12: October 2009
- Shredder 12 SE
- Shredder Classic 4 : November 2011
- Deep Shredder 13: October 30, 2016

Publications

- [Tom King](#) (2000). *Shredder wins the 17th World Microcomputer Chess Championship*. [ICGA Journal](#), Vol. 23, No. 3 » [WMCCC 2000](#)
- [Theo van der Storm](#) (2004). *Shredder Shows Strength in International CSVN Tournament*. [ICGA Journal](#), Vol. 27, No. 3 » [ICT 2004](#)
- [Eric van Reem](#) (2006). *Shredder Wins Second Chess960 Computer-Chess World Championship*. [ICGA Journal](#), Vol. 29, No. 4 » [Chess960CWC 2006](#)
- [Matej Guid](#), [Ivan Bratko](#) (2007). *Factors affecting diminishing returns for searching deeper*. [CGW 2007](#) » [Crafty](#), [Rybka](#), [Shredder](#), [Diminishing Returns](#)
- [Matej Guid](#), [Ivan Bratko](#) (2007). *Factors affecting diminishing returns for searching deeper*. [ICGA Journal](#), Vol. 30, No. 2, [pdf](#)

Forum Posts

1996 ...

- [Information about Shredder](#) by [Stefan Meyer-Kahlen](#), [rgcc](#), October 22, 1996
- [Shredder2](#) by Mike Cooter, [rgcc](#), July 26, 1998
- [What's wrong with Shredder?](#) by [Stefan Meyer-Kahlen](#), [CCC](#), February 19, 1999
- [Re: Chess Genius 6.5](#) by pc...@delthis.co.uk, [rgcc](#), November 24, 1999 » [Chess Genius](#), [Millennium Chess System](#)

2000 ...

- [Shredder in the SSDF list](#) by [Stefan Meyer-Kahlen](#), [CCC](#), April 10, 2000 » [SSDF](#)
- [Shredder wins the WMCCC 2000](#) by [Enrique Irazoqui](#), [CCC](#), August 25, 2000 » [WMCCC 2000](#)
- [Shredder 5](#) by [Stefan Meyer-Kahlen](#), [CCC](#), November 17, 2000
- [Shredder5 patch](#) by [Stefan Meyer-Kahlen](#), [CCC](#), December 06, 2000
- [Wb2Uci from Odd Gunnar Malin is working well on Shredder5 GUI](#) by Carlos E.A. Drake, [Winboard Forum](#), March 06, 2002 » [Wb2UCI](#)
- [Shredder and Engine Book Learning](#) by Stephen Ham, [CCC](#), April 24, 2003 » [Book Learning](#)
- [Shredder wins in Graz after controversy](#) by [Darse Billings](#), [CCC](#), December 09, 2003
- [Shredder 8 secret: search depth?](#) by [Jouni Uski](#), [CCC](#), March 23, 2004
[Re: Shredder 8 secret: search depth?](#) by [Vasik Rajlich](#), [CCC](#), March 23, 2004 » [Depth](#), [Junior](#), [Fritz](#)

2005 ...

- [Shredder 9 improvements over Shredder 8](#) by [Sandro Necchi](#), [CCC](#), January 28, 2005
- [Shredder 9](#) by Alex Shalamanov, [CCC](#), December 26, 2005
- [Non-deterministic behaviour of Deep Shredder - REALLY interesting](#) by George Sobala, [CCC](#), December 31, 2005
- [Shredder Classic 1.3](#) by phili_ppe, [CCC](#), January 09, 2006
- [Shredder 10](#) by John Jack, [CCC](#), February 17, 2006
- [Shredder 10.1 now released](#) by AGove, [CCC](#), April 11, 2007
- [Shredder for iPhone](#) by [Stefan Meyer-Kahlen](#), [CCC](#), July 06, 2007
- [Deep Shredder 11](#) by AGove, [CCC](#), October 11, 2007
- [Shredder 11 Linux](#) by [Kurt Utzinger](#), [CCC](#), June 08, 2008
- [UEP Shredder WC Edition](#) by [Ingo Bauer](#), [CCC](#), October 18, 2008
- [Shredder 12 infos and release date](#) by [Ingo Bauer](#), [CCC](#), October 03, 2009
- [Deep Shredder 12 Linux](#) by [Kurt Utzinger](#), [CCC](#), October 11, 2009
- [Differences between Shredder12 and Shredder Classic 4?](#) by [Volker Pittlik](#), [CCC](#), October 14, 2009
- [Shredder for Android](#) by [Stefan Meyer-Kahlen](#), [CCC](#), November 17, 2009

2010 ...

- [Shredder 12](#) by George Bodkin, [CCC](#), April 14, 2010
- [Which engine version is Shredder Classic 3?](#) by [Luca Hemmerich](#), [CCC](#), May 09, 2010
- [Shredder for Android ...](#) by [Ingo Bauer](#), [CCC](#), September 08, 2010
- [Shredder gets Gold](#) by Peter Martan, [CCC](#), October 02, 2010 » [WCSC 2010](#)
- [Shredder 4 classic with S12 SE engine for free](#) by [Volker Pittlik](#), [CCC](#), November 06, 2011

2015 ...

- [Shredder-Chess-Engine will be updated](#) by JoeBoden, [CCC](#), February 09, 2015
- [Shredder is the new World Chess Software Champion](#) by Mehmet Karaman, [CCC](#), July 05, 2015 » [WCSC 2015](#)
- [New Shredder information?](#) by Robert Flesher, [CCC](#), December 27, 2015

- [Deep Shredder 13 Windows out](#) by [Stefan Meyer-Kahlen](#), [CCC](#), October 30, 2016
- [Shredder 13 for Mac and Linux out](#) by [Stefan Meyer-Kahlen](#), [CCC](#), November 22, 2016

External Links

Chess Engine

- [Shredder Computer Chess](#)
[Shredder Computer Chess | News](#)
- [Shredder from Wikipedia](#)
- [Shredder 5.0 - das Weltmeister-Programm!](#) by [Peter Schreiner](#), [Schachclub Leinzell Informationen zu aktueller Schachsoftware](#), Dezember 2000 (German)
- [Shredder 9 on top of the world - A short introduction to Shredder 9](#) by [Peter Schreiner](#), [ChessBase News](#), March 01, 2005 ^[15]
- [Programs and essentials](#) by [Steve Lopez](#), [ChessBase News](#), March 13, 2005 » [Junior 9](#), [Shredder 9](#)
- [Shredder 10 now available - Interview with Shredder author Stefan Meyer-Kahlen](#), [ChessBase News](#), May 26, 2006
- [ChessBase DeepShredder 12](#) by [Frank Quisinsky](#), [Schachwelt - Computerschach](#), January 30, 2010 (German)
- [First win against Shredder 12!](#) by [Dana Mackenzie](#), [Dana Blogs Chess](#), July 03, 2011

Shredderbases

- [Shredderbases](#)
- [Shredder 10 and the Shredderbases](#), [ChessBase News](#), July 07, 2006
- [Shredderbases](#) by [Steve Lopez](#), [ChessBase News](#), November 11, 2006

Misc

- [shredder - Wiktionary](#)
- [Shredding \(disambiguation\) from Wikipedia](#)
- [Shredding \(tree-pruning technique\) from Wikipedia](#)

References

1. [^] [Shredder 13 Windows Screenshots](#) from [Shredder Chess](#)
2. [^] Image captured from [Paderborn 1999 1.mp4](#) by [Thorsten Czub](#) hosted by [Ed Schröder](#)
3. [^] [Paderborn 1999 - Chess - Round 6 - Game 3 \(ICGA Tournaments\)](#)
4. [^] [Shredder Computer Chess](#), 19th title added by editor
5. [^] [Shredder's ICGA Tournaments](#)
6. [^] [Shredder Computer Chess Download - Linux](#)
7. [^] [Shredder Computer Chess Download - Macintosh](#)
8. [^] [Shredder 5.0 - das Weltmeister-Programm! - Deep Shredder verfügbar! - April 2001](#) by [Peter Schreiner](#), [Schachclub Leinzell Informationen zu aktueller Schachsoftware](#), Dezember 2000

(German)

9. [^ Shredder Computer Chess Download - Deep Shredder 13](#)
10. [^ Deep Shredder 13 Windows out](#) by [Stefan Meyer-Kahlen](#), [CCC](#), October 30, 2016
11. [^ Re: Deep Shredder 13 Windows out](#) by [Ingo Bauer](#), [CCC](#), October 30, 2016
12. [^ Pocket Shredder: Chess for Windows Mobile](#)
13. [^ Shredder Mobile](#)
14. [^ Shredder Classic 3 user interface](#)
15. [^ Ten years of Computer Chess revisited](#) by [Kai Laskos](#), [CCC](#), March 13, 2015

What links here?

Page	Date Edited
14th Computer Olympiad	Jul 23, 2017
Aegon 1996	Jan 22, 2017
Aegon 1997	Apr 7, 2017
Alon Greenfeld	Feb 24, 2017
Ant	Jun 1, 2015
Aquarium	Dec 4, 2016
Arena	Mar 16, 2018
Argonaut	Apr 15, 2013
Book Learning	Jan 1, 2017
Branching Factor	Jun 28, 2017
Brutus	Dec 24, 2016
CCT Tournaments	Jan 29, 2017
CCT1	Dec 30, 2012
CCT12	Jan 28, 2018
CCT2	Sep 7, 2012
CCT3	Feb 14, 2013
CCT4	Apr 22, 2013
CGW 2007	Jan 2, 2017
Chess Genius	Feb 26, 2018
Chess960CWC 2005	Jan 1, 2016
Chess960CWC 2006	Sep 25, 2014
Chess960CWC 2007	Aug 21, 2012
Chess960CWC 2008	Aug 21, 2012
Chess960CWC 2009	Aug 21, 2012
ChessBase	Nov 25, 2017
ChessPartner	Nov 13, 2017
Clever & Smart	Jan 20, 2017
Cluster Toga	Jan 7, 2016
Computer Olympiad	Mar 6, 2018
CPT 2008	Nov 6, 2014
CPT 2009	Jan 17, 2013
CPT 2010	Jan 17, 2013
CPT 2011	Dec 1, 2013

Page	Date Edited
Crafty	Jan 28, 2018
CSVN Programmers Tournament	Apr 25, 2018
Dana Mackenzie	Jan 18, 2018
Darse Billings	Feb 14, 2017
DEC Alpha	Aug 15, 2015
Deep Sjeng	Jan 7, 2016
Depth	Feb 25, 2018
Detlef Pordzik	Dec 1, 2017
DGT Board	Feb 21, 2018
Dieter Steinwender	Jul 4, 2016
DOCCC 2006	Aug 27, 2016
DOCCC 2010	Aug 15, 2015
Eigenmann Endgame Test	Jun 1, 2017
Eiko Bleicher	Apr 24, 2014
Endgame Bitbases	Apr 5, 2017
Engine releases	Apr 23, 2018
Engines	Mar 10, 2018
Eric van Reem	Sep 10, 2014
Fabien Letouzey	Feb 5, 2018
Falcon	Sep 2, 2016
Ferret	Jan 7, 2016
Freezer	Aug 14, 2016
Fridolin	Jun 27, 2017
Fritz	Feb 26, 2018
Fritz Reul	Nov 28, 2016
Fruit	Sep 27, 2016
Ginkgo	Jul 13, 2016
GridChess	Jul 13, 2016
GridGinkGo	Jul 13, 2016
GridProtector	Jul 13, 2016
GUI	Mar 16, 2018
Hannibal	Oct 4, 2017
ICGA Journal	Dec 21, 2017
ICT 2002	Nov 19, 2016
ICT 2003	Aug 18, 2016
ICT 2004	Aug 17, 2016
ICT 2005	Oct 14, 2015
ICT 2006	Oct 14, 2015
ICT 2010	Sep 14, 2015
Ingo Bauer	Jul 6, 2015
International CSVN Tournament	Jan 8, 2018
IPCCC	Jan 20, 2017
IPCCC 1999	Dec 21, 2012
IPCCC 2000	Dec 21, 2012
IPCCC 2001	Jan 9, 2014

Page	Date Edited
IPCCC 2002	May 31, 2014
IPCCC 2003	Aug 17, 2016
IPCCC 2004	Dec 1, 2014
IPCCC 2005	Aug 21, 2015
IPCCC 2005 b	Apr 15, 2013
IPCCC 2006	Dec 8, 2012
IPCCC 2007	May 30, 2016
Ivan Bratko	Aug 16, 2017
Johan Havegheer	Feb 2, 2013
Johannes Zwanzger	Jan 7, 2016
Jonny	Nov 4, 2017
Jouni Uski	Sep 28, 2017
Junior	Feb 27, 2018
Komodo	Mar 6, 2018
Kramnik versus Deep Fritz 2002	Oct 16, 2017
Kramnik versus Deep Fritz 2006	Nov 28, 2017
Linux	Jan 21, 2018
Livingston Chess960 Computer World Championship	Aug 7, 2012
Match Statistics	Mar 31, 2018
Matej Guid	Jan 6, 2018
MILLENNIUM 2000 GmbH	Jul 13, 2017
Millennium Chess System	Jul 12, 2017
Opening Book	Feb 26, 2018
Ossi Weiner	Dec 18, 2017
Playing Strength	Mar 31, 2018
Protector	Oct 12, 2017
Pruning	Jan 1, 2018
Pseudorandom number generator	May 11, 2017
PT 45	May 19, 2014
PT 47	Dec 1, 2014
PT 49	Oct 22, 2015
PT 50	May 3, 2017
Quazar	Oct 29, 2015
Revelation	Jul 15, 2016
Revelation II	Jan 8, 2018
Rondo	Jan 7, 2016
Rookie	Jan 7, 2016
Ruffian	Jun 6, 2017
Ryan Benitez	May 16, 2015
Rybka	Mar 27, 2017
Rybka Controversy	Jan 18, 2018
Sandro Necchi	Mar 19, 2016
Shannon Trophy	Jul 7, 2017
Shredder	Jan 21, 2018

Page	Date Edited
SSDF	Feb 25, 2018
Stefan Meyer-Kahlen	Jun 19, 2017
Steve Lopez	Dec 4, 2016
TCEC Season 5	Jun 2, 2014
TCEC Season 6	Dec 2, 2014
The Chess Programmers Tournament	Nov 8, 2011
Theo van der Storm	Apr 5, 2017
Thompson's Databases	Dec 24, 2014
Timo Haupt	Jan 8, 2016
Tom King	Aug 19, 2017
Transposition Table	Apr 19, 2018
UCI	Mar 4, 2018
Vasik Rajlich	Sep 23, 2017
Vincent Diepeveen	May 5, 2017
Volker Pittlik	Sep 4, 2013
Wb2UCI	Feb 1, 2018
WCCC 1999	Jul 13, 2017
WCCC 2002	Nov 24, 2017
WCCC 2003	Apr 2, 2017
WCCC 2004	Jan 28, 2018
WCCC 2005	Dec 27, 2016
WCCC 2006	Jan 28, 2018
WCCC 2007	Jan 2, 2017
WCCC 2008	Jan 3, 2017
WCCC 2009	Apr 2, 2017
WCCC 2010	Jan 6, 2017
WCCC 2011	Jan 7, 2017
WCCC 2013	Dec 7, 2016
WCCC 2015	Jun 13, 2017
WCCC 2016	Sep 18, 2017
WCCC 2017	Dec 31, 2017
WCSC 2010	Jan 6, 2017
WCSC 2011	Jan 7, 2017
WCSC 2013	Aug 17, 2016
WCSC 2015	Jun 13, 2017
WCSC 2016	Sep 18, 2017
WCSC 2017	Jul 4, 2017
Who's Who	Sep 6, 2017
Windows	Nov 2, 2017
WMCCC 1995	Jan 3, 2018
WMCCC 1996	Sep 15, 2016
WMCCC 1997	Apr 4, 2017
WMCCC 1999	Jan 7, 2016
WMCCC 2000	Feb 27, 2018
WMCCC 2001	Jul 25, 2017

Page	Date Edited
World Chess Software Championship	Mar 6, 2018
World Computer Chess Championship	Mar 6, 2018
World Microcomputer Chess Championship	Jan 7, 2016
XXXX	Jan 7, 2016
Yace	Dec 31, 2017
Zach Wegner	Jan 7, 2016
Zappa versus Rybka 2007	Nov 25, 2017

[Up one Level](#)