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Ed Schröder <sup>[10]</sup>

**Ed Schröder**, a Dutch computer chess programmer and founder of **Schröder BV** <sup>[1]</sup>, a chess software developing company. Ed is author of various chess programs for PCs as well for [dedicated chess computers](#). His most famous chess programs were the commercial programs [Rebel](#) <sup>[2]</sup>, and based on Rebel the [WMCCC 1991](#) Micro Champion [Gideon](#) <sup>[3]</sup>, the World Computer Chess Champion from the [WCCC 1992](#), [ChessMachine](#) <sup>[4]</sup>, and the free program [Pro Deo](#) <sup>[5]</sup> <sup>[6]</sup> <sup>[7]</sup>. Ed contributed a lot to computer chess, since he made almost all his knowledge about chess programming [public](#), when he retired from competition in 2003 <sup>[8]</sup>. In 2002 [Lokasoft](#) took over the activities of **Schröder BV** <sup>[9]</sup>.

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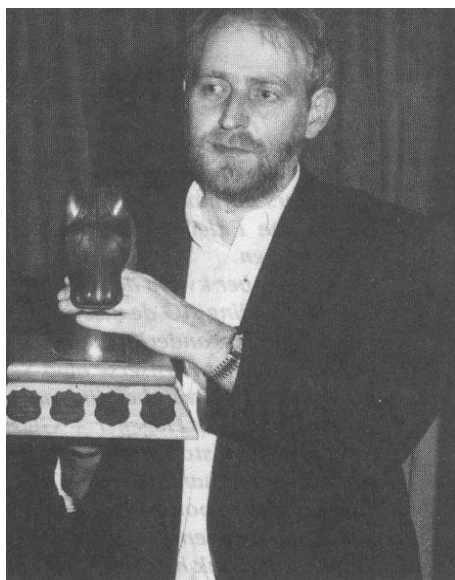
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## Photos



Ed Schröder just won the [Shannon Trophy](#), [WCCC Madrid 1992](#) <sup>[11]</sup>

## 2011 Rybka Controversy

In 2011, Ed Schröder first signed the [open letter](#) directed to the [ICGA](#), to support the claim [Rybka 1.0 beta](#) and subsequent versions were allegedly derivatives from [Fabien Letouzey's](#) program [Fruit 2.1](#), but soon after the [ICGA decision](#), reconsidered <sup>[12] [13]</sup>, apologized to [Vasik Rajlich](#) <sup>[14]</sup> and criticized the [investigation process](#) and the represented evidence. In November 2011, Ed Schröder announced his new web-sites <sup>[15] [16]</sup> that give an alternative view of the historic ICGA - RYBKA event that led to the ban of Rybka.

## Programs and Computers

- [ChessMachine](#)
- [Gideon](#)
- [Mephisto MM IV](#)
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- [Mephisto Rebell](#)
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## Selected Publications

- [Jeroen Noomen](#), [Ed Schröder](#) (1998). *Anand versus Rebel 10 exp.* [ICCA Journal, Vol. 21, No. 3](#)
- [Ed Schröder](#) (2012). *Rybka reloaded.* [pdf](#)
- [Ed Schröder](#) (2015). *The myth Rajlich copied Fruit.* [pdf](#)

## Forum Posts

### 1993 ...

- [Interview with world champ chess programmer \(long\)](#) by Kees de Graaf, [rgc](#), February 05, 1993

### 1995 ...

- [REBEL 7 announcement](#) by [Ed Schröder](#), [rgc](#), July 27, 1995
- [Open letter to ChessBase](#) by [Ed Schröder](#), [rgcc](#), January 09, 1997
- [CCC-I test set](#) by [Ed Schröder](#), [CCC](#), October 04, 1997 » [Test-Positions](#)
- [CCC-II test set](#) by [Ed Schröder](#), [CCC](#), October 04, 1997
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- [Hash tables and data-cache, some programmer stuff...](#) by [Ed Schröder](#), [CCC](#), January 17, 1998 » [Hash Table](#), [Transposition Table](#)
- [My views on the Match](#) by [Ed Schröder](#), [CCC](#), July 27, 1998
- [Ed's real life](#) by [Jean-Christophe Weill](#), [rgcc](#), August 15, 1998
- [How to create a set of random integers for hashing?](#) by [Ed Schröder](#), [CCC](#), October 18, 1998 » [Zobrist Hashing](#)
- [AUTO232 and memory protection](#) by [Ed Schröder](#), [CCC](#), February 03, 1999 » [Auto232](#)
- [PB-ON vs PB-OFF \(results experiment-1\)](#) by [Ed Schröder](#), [CCC](#), October 10, 1999 » [Pondering](#)
- [PB-ON vs PB-OFF \(final results\)](#) by [Ed Schröder](#), [CCC](#), October 15, 1999

### 2000 ...

- [Faster, deeper and more of such...](#) by [Ed Schröder](#), [CCC](#), September 14, 2000 » [Diminishing Returns](#), [Search Statistics](#)
- [Marcus Kastner versus Millennium \(again\)](#) by [Ed Schröder](#), [CCC](#), December 06, 2000 » [Marcus Kästner](#), [MILLENNIUM 2000 GmbH](#)
- [Maastricht](#) by [Ed Schröder](#), [CCC](#), August 03, 2001 » [WMCCC 2001](#)
- [The law of diminishing returns](#) by [Ed Schröder](#), [CCC](#), July 12, 2002 » [Diminishing Returns](#)
- [Eric Schiller about the Cadaques Qualifier](#) by [Ed Schröder](#), [CCC](#), October 11, 2002 » [Eric Schiller](#), [Kramnik versus Deep Fritz 2002](#)
- [In memorandum - Jan Louwman](#) by [Ed Schröder](#), [CCC](#), December 04, 2002 » [Jan Louwman](#)
- [Programmer challenge](#) by [Ed Schröder](#), [CCC](#), February 20, 2003 » [x86](#)
- [Is there a way?](#) by [Ed Schröder](#), [CCC](#), December 13, 2004 » [Engine Testing](#)

## 2005 ...

- [Where are all the congrats to Anthony Cozzie ???](#) by [Ed Schröder](#), [CCC](#), August 21, 2005 » [WCCC 2005](#)
- [Expert Assembler Question](#) by [Ed Schröder](#), [CCC](#), August 26, 2005 » [x86](#)
- [To campaign or not](#) by [Ed Schroder](#), [CCC](#), August 28, 2008
- [Re: SOMA](#) by [Ed Schröder](#) from [CCC](#), August 26, 2009

## 2010 ...

- [Re: "Automated Discovery of Search Extensions"](#) by [Ed Schröder](#), [OpenChess Forum](#), June 26, 2010
- [Prograss \(often\) is ugly, a summary try](#) by [Rebel](#), [OpenChess Forum](#), July 03, 2011
- [In retrospect](#) by [Rebel](#), [Rybka Forum](#), July 14, 2011
- [Apology to Vas](#) by [Rebel](#), [Rybka Forum](#), August 17, 2011
- [Tuning again](#) by [Ed Schroder](#), [CCC](#), November 01, 2011 » [Stockfish's Tuning Method](#) <sup>[17]</sup>
- [ProDeo 1.7 official now](#) by [Ed Schröder](#), [CCC](#), November 02, 2011
- [Wiki-leaks](#) by [Ed Schröder](#), [Rybka Forum](#), January, 18, 2012
- [Hash table division](#) by [Ed Schröder](#), [CCC](#), April 05, 2012 » [Transposition Table](#)

## 2015 ...

- [counting nodes vs counting evaluations](#) by [Ed Schroder](#), [CCC](#), July 19, 2015 » [Node](#)
- [SMP \(new style\)](#) by [Ed Schroder](#), [CCC](#), July 20, 2015 » [Parallel Search](#)
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- [adaptive lazy eval](#) by [Ed Schroder](#), [CCC](#), August 31, 2017 » [Lazy Evaluation](#)
- [Blog](#) by [Ed Schroder](#), [CCC](#), November 16, 2017

## External Links

- [Welcome to the Home of the Dutch Rebel](#)  
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[Historic video's](#) hosted by [Ed Schröder](#) <sup>[21]</sup>, [WMCCC 1985](#), [WCCC 1986](#), [Aegon 1997](#), [WCCC 1999](#), [Eric Hallsworth](#)  
[Rybka evidence](#) by [Ed Schröder](#), November 09, 2011  
[Dedicated chess computers - Home of the Dutch Rebel](#)
- [Ed Schröder's ICGA Tournaments](#)
- [Schröder, Ed](#) (German) from [Schachcomputer.info - Wiki](#)

## References

1. ^ [Schröder BV](#)
2. ^ [Computer Chess - Rebel](#)
3. ^ [Mephisto Gideon's ICGA Tournaments](#)
4. ^ [World Champion \(1991-1995\)](#)
5. ^ [Pro Deo \(version 1.2\)](#)
6. ^ [ProDeo 1.7 official now](#) by [Ed Schröder](#), [CCC](#), November 02, 2011
7. ^ [Pro Deo 1.7](#)
8. ^ Quote from Ed from his [Programmer Stuff](#) site:  
On this page I will try to explain some of the secrets of REBEL, I have retired from the competition so I see no need any longer to hide my ideas on computer chess. It's my hope that some of my fellow programmers find something useful on this page and that it might contribute to increase the elo rating of their chess engine.
9. ^ [Company Information](#), by Ed Schröder and [Lex Loep](#), September 1, 2002
10. ^ Ed Schröder Photo from [Who is who behind Rebel](#)
11. ^ [Computerschaak pagina 1](#) (Dutch) Redactie: J. ten Have and Drs. S. Kooi
12. ^ [Progress \(often\) is ugly, a summary try](#) by [Rebel](#), [OpenChess Forum](#), July 03, 2011
13. ^ [In retrospect](#) by [Rebel](#), [Rybka Forum](#), July 14, 2011
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15. ^ [Rybka vs ICGA a different view](#) by [Ed Schröder](#), November 2011
16. ^ [Rybka evidence](#) by [Ed Schröder](#), November 2011
17. ^ [Stockfish's tuning method](#) by [Joona Kiiski](#), [CCC](#), October 07, 2011
18. ^ [Ideas](#) by [Ed Schröder](#), [CCC](#), September 08, 2016
19. ^ [Blog](#) by [Ed Schroder](#), [CCC](#), November 16, 2017
20. ^ [How Rebel Plays Chess as pdf reprint](#)
21. ^ [A couple of new historic video's](#) by [Ed Schröder](#), [CCC](#), Mar 17, 2013

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