

# Exceptional C++

*47 Engineering Puzzles, Programming Problems, and Solutions*

**Herb Sutter**

Foreword by Scott Meyers



**C++ In-Depth Series ♦ Bjarne Stroustrup**

# Exceptional C 47 Engineering Puzzles Programming Problems And Solutions

**SJ Ball**



## **Exceptional C 47 Engineering Puzzles Programming Problems And Solutions:**

Exceptional C++ Herb Sutter,1999 The puzzles and problems in Exceptional C not only entertain they will help you hone your skills to become the sharpest C programmer you can be Many of these problems are culled from the famous Guru of the Week feature of the Internet newsgroup comp lang c moderated expanded and updated to conform to the official ISO ANSI C Standard BOOK JACKET Try your skills against the C masters and come away with the insight and experience to create more efficient effective robust and portable C code Jacket Professional C++ Marc Gregoire,2018-03-09 Get up to date quickly on the new changes coming with C 17 Professional C is the advanced manual for C programming Designed to help experienced developers get more out of the latest release this book skims over the basics and dives right in to exploiting the full capabilities of C 17 Each feature is explained by example each including actual code snippets that you can plug into your own applications Case studies include extensive working code that has been tested on Windows and Linux and the author s expert tips tricks and workarounds can dramatically enhance your workflow Even many experienced developers have never fully explored the boundaries of the language s capabilities this book reveals the advanced features you never knew about and drills down to show you how to turn these features into real world solutions The C 17 release includes changes that impact the way you work with C this new fourth edition covers them all including nested namespaces structured bindings string\_view template argument deduction for constructors parallel algorithms generalized sum algorithms Boyer Moore string searching string conversion primitives a filesystem API clamping values optional values the variant type the any type and more Clear explanations and professional level depth make this book an invaluable resource for any professional needing to get up to date quickly Maximize C capabilities with effective design solutions Master little known elements and learn what to avoid Adopt new workarounds and testing debugging best practices Utilize real world program segments in your own applications C is notoriously complex and whether you use it for gaming or business maximizing its functionality means keeping up to date with the latest changes Whether these changes enhance your work or make it harder depends on how well versed you are in the newest C features Professional C gets you up to date quickly and provides the answers you need for everyday solutions **An Introduction to the C++ Programming Language (Version: 2015-02-03)** Michael D. Adams,2015-02-03 **C++ Network Programming** Douglas C. Schmidt,Stephen D. Huston,2003 Writing high quality networked applications is difficult it s expensive complicated and error prone This book picks up where volume one left off and guides C programmers through using the Adaptive Communication Environment ACE the most complete toolkit available for networked programming **C++ Builder 5 Developer's Guide** Jarrod Hollingworth,2000 Written by high profiles representatives of the C Builder developer community this book provides insight into and how to use the new features developer to developer coverage of critical areas of software development a free set of components on the CD ROM and detailed coverage of C Builder specific development strategies library usage and interface features **C/C++ Users**

**Journal** ,2001      **C++ Template Metaprogramming** David Abrahams,Aleksey Gurtovoy,2005 This book is aimed at any programmer who is comfortable with idioms of the Standard Template Library STL C power users will gain a new insight into their existing work and a new fluency in the domain of metaprogramming Intermediate level programmers who have learned a few advanced template techniques will see where these tricks fit in the big picture and will gain the conceptual foundation to use them with discipline Programmers who have caught the scent of metaprogramming but for whom it is still mysterious will finally gain a clear understanding of how when and why it works All readers will leave with a new tool of unprecedented power at their disposal the Boost Metaprogramming Library Jacket      *C++ Templates* David Vandevoorde,Nicolai M. Josuttis,2003 With the greatly increased use of templates there is a real need in the C community for this information This book is the next C classic acting as both a complete reference as well as a tutorial It emphasizes the practical use of templates and includes real world examples      **Design, Implementation and Use of the MIRV Experimental Compiler for Computer Architecture Research** David Anthony Greene,2003      *The C++ Report* ,2000      *Small Memory Software* James Noble,Charles Weir,2001 The phenomenal increases in processing power and memory capacity of computing hardware over recent years have allowed manufacturers to produce smaller and smaller computer systems such as palmtop PCs smart cards and embedded control systems on domestic and industrial appliances New techniques such as dynamic memory management and object orientation help programming but tend to require additional memory Standard programming techniques do not cope with these limited memory capacity environments This book will provide practical help for programmers developing software for this kind of environment The major content is a series of patterns developed by the authors based on solutions which have been found to work in real life situations They range from small system design patterns and process management patterns to patterns for User Interface development compression and memory storage This book will appeal to developers using Windows CE or building mobile telephones smart cards embedded devices set top computers in short all programmers working with memory constrained systems      American Book Publishing Record ,2003

Dr. Dobb's Journal ,2000      **The British National Bibliography** Arthur James Wells,2000      **Java Report** ,2001

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