

The Journal of Problem Solving

JPS is a peer-reviewed multidisciplinary journal that publishes empirical and theoretical papers on mental mechanisms involved in solving problems, which include (but are not limited to) optimization problems such as the Traveling Salesman Problem, mathematics and physics problems, theorem proving, games and puzzles, knowledge discovery problems, insight problems and a range of problems in applied settings. The emphasis is put on those aspects of solving problems which set human beings apart from existing artificial systems.

Editor-in-Chief

Zygmunt Pizlo, Department of Psychological Sciences, Purdue University

Michael Brusco

Department of Marketing,
Florida State University
http://www.cob.fsu.edu/mar/display_faculty_info.cfm?plD=45

Nick Burns

School of Psychology,
University of Adelaide, Australia
<http://www.adelaide.edu.au/psychology/staff/burns.html>

Richard Eglese

Management School,
Lancaster University, England
<http://www.lums.lancs.ac.uk/profiles/72/>

Robert L. Goldstone

Department of Psychology,
Indiana University
<http://cognitrn.psych.indiana.edu/rgoldsto/rob.html>

Guenther Knoblich

Radboud University Nijmegen,
The Netherlands
<http://web.mac.com/gknoblich/>

Walter G. Kropatsch

Inst. of Computer Aided Automation,
Vienna Univ. of Technology, Austria
<http://www.prip.tuwien.ac.at/~krw/>

Michael D. Lee

Department of Cognitive Sciences,
University of California, Irvine
<http://www.socsci.uci.edu/~mdlee/>

James MacGregor

School of Public Administration,
University of Victoria, Canada
<http://publicadmin.uvic.ca/faculty/macgregor/index.htm>

Stellan Ohlsson

Department of Psychology,
University of Illinois at Chicago
<http://www.psch.uic.edu/stellan.asp>

Thomas Ormerod

Psychology, Lancaster University, England
<http://www.psych.lancs.ac.uk/people/TomOrmerod.html>

Cole Smith

Industrial & Systems Engineering,
University of Florida
<http://www.ise.ufl.edu/cole/>

Brian Stankiewicz

Psychology, University of Texas
<http://stankiewiczlab.psy.utexas.edu/~bstankie/>

Ulrike Stege

Computer Science,
University of Victoria, Canada
<http://www.cs.uvic.ca/~stege/>

Niels Taatgen

Psychology, Carnegie Mellon University
<http://www.ai.rug.nl/~niels/>

Iris van Rooij

Radboud University Nijmegen, The Netherlands
<http://www.nici.ru.nl/~irisvr/>

Jennifer Wiley

Department of Psychology,
University of Illinois at Chicago
<http://tigger.uic.edu/~jwiley/>

Editorial Board

Cover Designer

David Black

Published by Purdue University Press

ISSN 1932-6246

Submission Guidelines

The Journal of Problem Solving (JPS) is a multidisciplinary journal that publishes original empirical and theoretical work on human problem solving. A full statement of the scope of *JPS* is available on the journal's website.

JPS is fully peer-reviewed, with a distinguished international editorial board serving under Editor-in-Chief Dr. Zygmunt Pizlo (Purdue University, USA). Manuscripts should be submitted for publication through the journal's website, <http://docs.lib.purdue.edu/jps/>.

Manuscripts should be prepared according to the latest edition of the Publication Manual of the American Psychological Association. *JPS* will not consider manuscripts that have been previously published in other journals, nor will it consider manuscripts that are concurrently submitted for publication in other journals. Work that has been partially reported in conference proceedings may be included in manuscripts submitted to *JPS*; appropriate acknowledgment should be added to the author note. For manuscripts reporting work with human participants, a statement that ethical approval was obtained from the relevant Institutional Review Board, Ethics Committee or similar must be incorporated in the methods section. Authors are responsible for ensuring that permission to reproduce material in print and electronic form is obtained and conveyed to *JPS* if any copyrighted material or photographs of people are contained in the manuscript.

JPS is an open access online journal, initially published semiannually. As with many such journals, there is a publication charge to authors. This enables the publisher, Purdue University Press, to cover costs (as hard-copy subscriptions, the traditional source of revenue for journal publishers, will not be marketed). The charge per published paper will be 500 US dollars. There is no charge for manuscript review.

Please note that these Instructions to Authors may be periodically updated; the most current version will be posted on the *JPS* website.

Contents

Human Performance on the Traveling Salesman and Related Problems: A Review <i>James N. MacGregor and Yun Chu</i>	1
What Does (and Doesn't) Make Analogical Problem Solving Easy? A Complexity-Theoretic Perspective <i>Todd Wareham, Patricia Evans, and Iris van Rooij</i>	30
Finite Optimal Stopping Problems: The Seller's Perspective <i>Mehdi Hemmati and J. Cole Smith</i>	72
Quality, Conformity, and Conflict: Questioning the Assumptions of Osborn's Brainstorming Technique <i>Olga Goldenberg and Jennifer Wiley</i>	96
Insight Problem Solving: A Review <i>Yun Chu and James N. MacGregor</i>	119
The Minimal Control Principle Predicts Strategy Shifts in the Abstract Decision Making Task <i>Niels A. Taatgen</i>	151
2D and 3D Traveling Salesman Problem <i>Yll Haxhimusa, Edward Carpenter, Joseph Catrambone, David Foldes, Emil Stefanov, Laura Arns, and Zygmunt Pizlo</i>	167

