Control and Cybernetics

vol. **26** (1997) No. 3

CONTENTS

Table of contents 301

M. SCHOENAUER and Z. MICHALEWICZ: 303
Preface

M. SCHOENAUER and Z. MICHALEWICZ: 307
Evolutionary computation

G. VENTURINI, S. ROCHET, M. SLIMANE: 339
Schemata and deception in binary genetic algorithms: a tutorial

G. RUDOLPH: 375
Convergence rates of evolutionary algorithms for a class of convex objective functions

P.D. SURRY, N.J. RADCLIFFE: 391
The COMOGA method: constrained optimisation by multi-objective genetic algorithms

M. WODRICH and G. BILCHEV: 413
Cooperative distributed search: the ants' way

A.E. EIBEN and C.H.M. van KEMENADE: 447
Diagonal crossover in genetic algorithms for numerical optimization

XIN YAO and YONG LIU: 467
Fast evolution strategies

D.B. FOGEL, E.C. WASSON, E.M. BOUGHTON, V.W. PORTO, J.W. SHIVELY: 497
Initial results of training neural networks to detect breast cancer

using evolutionary programming

O. MICHEL: 511
Dynamical genomic network applied to artificial neurogenesis

P. NORDIN and W. BANZHAF: 533
Real time control of a Khepera robot using genetic programming

K. DE JONG: 563
Evolutionary computation: recent developments and open issues

Book reviews:

T. LEWIŃSKI: 575
A.M. Khludnev, J. Sokołowski: *Modelling and Control in Solid Mechanics*

R. GESSING: 581
Marc A. Peters and Pablo Iglesias: *Minimum Entropy Control for Time Varying Systems*

S. ZADROŻNY: 583
P.A. Gloor: *Elements of Hypermedia Design*