

# Content

Foreword.....	5
Welcome Note of the Chairman of German Diving, Walter Alt.....	6
Welcome Note of the Director of IAT, Prof. Dr. Arndt Pfützner .....	7

## Book Chapter

THOMAS KÖTHE A brief Overview about Research Topics in Diving .....	9
LIU WEIGUO A Biomechanics Analysis of Approach and Takeoff Skills for Springboard Diving..	18
WILLIAM TONG & HOLGER R. DULLIN Geometric Phase in Diving .....	24
CHERIE A. WALKER, THOMAS RICKARDS, & PETER J. SINCLAIR The effect of springboard fulcrum setting on a diver's kinematics.....	30
OLIVER STOLL Preparation for the Olympic Games – a psychological approach .....	35
SAARA HAAPANEN Motivational States in an International Sample of Springboard and Platform Divers.....	40
DORIS I. MILLER Teaming Up to Enhance Diving Performance.....	44
AXEL SCHÜLER & THOMAS KÖTHE Applying evolutionary algorithms to optimize platform diving and evolving of a diving model.....	53
JENI MCNEAL Physical Performance and Olympic Team Membership (USA Diving – Strength and Conditioning).....	61
WESSEL ZIMMERMANN Medical Aspects of Competitive Diving – A Popular Summary of a Private Literature Collection and a Personal Opinion.....	66

NIKLAS NOTH & THOMAS KÖTHE	
Analysis of Olympic Games – Men’s Springboard diving.....	73
EVGENIA A.RASPOPOVA	
Personal Features of the Divers of a High Class .....	79
THOMAS KÖTHE & ROLAND REGNER	
Selected scientific articles and publications 1964-2012 in high performance diving (Bibliography) .....	80
Authors.....	107