

**2015  
INTERNATIONAL  
CONFERENCE  
“STABILITY AND  
CONTROL PROCESSES”  
IN MEMORY  
OF V.I. ZUBOV (SCP)**

**SCP-BDO-2015**

**RUSSIA, SAINT-PETERSBURG,  
OCTOBER 5—9, 2015**

**Proceedings**

**Edited by: L. A. Petrosyan  
A. P. Zhabko**



## Copyright and Reprint Permission

Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limit of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided that the per-copy fee indicated in the code is paid through the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923. For reprint or republication permission, email to IEEE Copyright Manager at [pubs-permissions@ieee.org](mailto:pubs-permissions@ieee.org). All rights reserved.

Copyright © 2015 by IEEE

Xplore Compliant: ISBN 978-1-4673-7698-3  
IEEE Catalog number CFP15ZUV-ART



Copyright © 2015 by IEEE

# 2015 International Conference "Stability and Control Processes" in Memory of V.I. Zubov (SCP)

## Technical Program Committee

**Chairman:** Petrosyan L.A. (St. Petersburg State University, Russia)

**Vice-Chairman:** Kharitonov V.L. (St. Petersburg State University, Russia)

**Committee members:**

Aleksandrov A.Y. (St. Petersburg State University, Russia)

Zhabko A.P. (St. Petersburg State University, Russia)

Moiseev E.I. (Moscow State University, Russia)

Berz M. (Michigan University, USA)

Zakharov V.V. (St. Petersburg State University, Russia)

Vasilyev S.N. (Institute of Control Problems RAS, Russia)

Novikov D.A. (Institute of Control Problems RAS, Russia)

Kenzhebaev K.K. (Aktyubinsk Regional State University, Kazakhstan)

Veremey E.I. (St. Petersburg State University, Russia)

Nikulchev E.V. (Moscow Technological Institute, Russia)

Kurzanskii A.B. (RAS, Russia)

Voronin A.V. (Petrozavodsk State University, Russia)

Leonov G.A. (St. Petersburg State University, Russia)

Dmitrishin D.V. (Odessa Polytechnic University, Ukraine)

Mazalov V.V. (Petrozavodsk State University, Russia)

Egorov N.V. (St. Petersburg State University, Russia)

Ovsyannikov D.A. (St. Petersburg State University, Russia)

Razvan V. (Craiova University, Romania)

Suhomlin V.A. (Moscow State University, Russia)

Ulyanov M.V. (Moscow Technical University of Bauman, Russia)

Yang D.V.K. (Hong Kong University, Hong Kong)

Martynyuk A.A. (NAS, Ukraine)

Lisenkov A.A. (St. Petersburg State Electrotechnical University "LETI", Russia)

Luchinin V.V. (St. Petersburg State Electrotechnical University "LETI", Russia)

Yankevich V.B. (St. Petersburg State Electrotechnical University "LETI", Russia)

## Organization Committee

**Chairman:** Zhabko A.P. (St. Petersburg State University, Russia)

**Vice-Chairman:** Ovsyannikov D.A. (St. Petersburg State University, Russia)

**Scientific Secretary:** Golovkina A.G. (St. Petersburg State University, Russia)

Egorov A.V. (St. Petersburg State University, Russia)

Nikiforov K.A. (St. Petersburg State University, Russia)

**Committee members:**

Bochkarev A.O. (St. Petersburg State University, Russia)

Veremey E.I. (St. Petersburg State University, Russia)

Drivotin O.I. (St. Petersburg State University, Russia)

Egorov N.V. (St. Petersburg State University, Russia)

Zhabko N.A. (St. Petersburg State University, Russia)

Lepikhin T.A. (St. Petersburg State University, Russia)

Petrosyan L.A. (St. Petersburg State University, Russia)

Provotorov V.V. (Voronezh State University, Russia)

Rogov A.A. (Petrozavodsk State University, Russia)

Smirnov N.V. (St. Petersburg State University, Russia)

Ivanov A.S. (St. Petersburg State Electrotechnical University "LETI", Russia)