

Директору Математичког института САНУ
Проф. др Зорану Огњановићу
Научном већу Математичког института САНУ
академику Драгошу Цветковићу

Стручни извештај о учешћу у



The 9th European Nonlinear Dynamics Conference (ENOC 2017) will be held in Budapest, Hungary on June 25-30, 2017. (<http://congressline.hu/enoc2017>)

*The ENOC 2017 Mini-Symposium MS09 on Nonlinear Dynamics in Engineering Systems
The ENOC 2017 Mini-Symposium MS-02 Asymptotic Methods*

Поштовани директоре, Професоре Огњановићу,
Поштовани председнице, Професоре Цветковићу,
Цењени чланови Научног Већа МИ САНУ,

У периоду од 24 јуна до 30 јуна улествовала сам у научном програму Европске конференције из нелинеарне динамике под називом:

**The 9th European Nonlinear Dynamics Conference (ENOC 2017) in Budapest, Hungary.
Budapest University of Technology and Economics.**
<http://congressline.hu/enoc2017/abstract-submission.php>

Ова европска конференција се одржава сваке треће године у организацији Европског друштва за механику (EuroMech Society), чији сам члан од самог оснивања. Ове године је конференција одржана у Будимпешти и прелепом по архитектури здања Техничко-економског факултета, који је на самој обали Дунава. Председник Организационог одбора је професор Степан Габор. Следећа конференција из ове серије биће одржана 2020 године у Лиону у Француској.

Ова серија конференција је наставак серије конференција под називом ICNO (International Conference of Nonlinear Oscillations), коју је основао академик Јури Алексевић Митропољски у Кијеву 1961 године, и мој професор, а који је уписан у историју науке асимптотским методама нелинеарне механике Крилов-Богољубов-Митропољски, као и познатом научном школом Нелинеарне механике.

Као истраживач, ја припадам тој школи и моје име, по жељи академика Митриополског, је уписано у списак његових аспираната и у публикацији коју је Национална академија наука Украјине публиковала поводом његовог 90-тог рођендана!

Већи број истраживача са Пројекта ОИ174001 је учествовала у неколико ових конференција: **ENOC 2011 у Риму- на Универзитету Ла Сапиенза, ENOC 2014 -у Бечу на Техничком Универзитету и ове године ENOC 2017 у Будимпешти - на Техничко-економском Универзитету.**

Учешће већег броја истраживача са Пројекта ОИ174001, није остало непримећено, тим више, што су сви, сем мене млади истраживачи. У Риму на **ENOC 2011, на Универзитету Ла Сапиенза,** један млади истраживач је добио једну, од две додељене награде за оригиналну презентацију својих научних резултата, што представља значајно признање и промоцију Пројекту ОИ174001, а и Математичком институту САНУ у коме се координира овај пројекат.

Ове године у раду **ENOC 2017 у Будимпешти - на Техничко-економском Универзитету,** учествовало је 5 истраживача са 6 саопштења са нашег Пројекта ОИ174001, која нису остала незапањена.

С обзиром да је Србија мала земља са релативно малим бројем истраживача у поређењу са Русијом, Кином, или Америком, укупан број учесника из Србије 7 (5 истраживача са Пројекта ОИ174, док су два са ФТН из Новог Сафа) у односу на укупан број саопштења од 535 из 43 земље света, можемо константовати да су наши радови били препознатљиви.

Ја сам саопштила у минисимпозијумима следеће радове:

MS-09 Nonlinear Dynamics in Engineering Systems

Co-organizers:

Yuri Vladimirovich Mikhlin, *National Technical University "Kharkov Polytechnical Institute"*

Matthew Cartmell, *The University of Sheffield*

Konstantin Vitalievich Avramov, *NAS of Ukraine*

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Hedrih (Stevanović) Katica, **Non-linear dynamics of a heavy mass particle and rolling ball along curvilinear trace of series of circle arcs: Phase trajectory portraits, some analogies and vibro-**

impacts, The 9th European Nonlinear Dynamics Conference (ENOC 2017) in Budapest, Hungary, 25-30 June, 2017 in the campus of Budapest University of Technology and Economics. www.congressline.hu/enoc2017/; **ID.342**;

<http://www.congressline.hu/enoc2017/abstracts/342.pdf>; **ISBN 978-963-12-9168-1**

За овај рад сам била позвана од организатора Минисимпозијума.

MS-02 Asymptotic Methods

Co-organizers:

Igor V. Andrianov, *Aachen University*

Jan Awrejcewicz, *University of Lodz*

Leonid I. Manevitch, *Russian Academy of Sciences*

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Hedrih (Stevanović) Katica , **Energy method applied to the asymptotic methods of Non-linear mechanics**, The 9th European Nonlinear Dynamics Conference (ENOC 2017) in Budapest, Hungary, 25-30 June, 2017 in the campus of Budapest University of Technology and Economics.

www.congressline.hu/enoc2017/abstracts/343.pdf; ISBN 978-963-12-9168-1

Овај рад сам, самоиницијативно, пријавила и организатори су исти прихватили и уврстили у програм Минисимпозијума MS-02 Asymptotic Methods.

MS-13 Nonlinear Dynamics in Biological Systems

Co-organizers:

Gert van der Heijden, University College, London

Sachin Goyal, University of California

Gergely Röst, University of Szeged

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Hedrih Andjelka and Hedrih (Stevanović) Katica , **Analysis of oscillatory motions of chromosomes during anaphase using biomechanical oscillatory model of mitotic spindle**, The 9th European Nonlinear Dynamics Conference (ENOC 2017) in Budapest, Hungary, 25-30 June, 2017 in the campus of Budapest University of Technology and Economics. www.congressline.hu/enoc2017/abstracts.php?page=10, ISBN 978-963-12-9168-1

<http://www.congressline.hu/enoc2017/abstracts.php?page=10>, ISBN 978-963-12-9168-1

Овај рад је саопштила истраживач др Анђелка Хедрих, која је аутор идеје, физичког модела биолошког осцилатора и аутор рада, а ја сам само консултант у изради математичкг дела овог рада.

Поред саопштавања мојих радова, имала сам част да будем и председавајући једне секције Минисимпозијума, као копредседавајући још једне секције истог Минисимпозијума.

У наставку Извештаја, дат је један број прилога из којих се може видети програмска структура научног програма Конференције.

С поштовањем и захвалношћу за подршку пројектним активностима,

У Београду, 10.07.2017.



Проф. др Катица (Стевановић) Хедрих
Руководилац Пројекта ОИ174001
Динамика хибридних система сложених структура

Напомена: Члан сам Европског друштва за механику (EuroMech Society) од самог његовог оснивања, а преко ГАММ друштва (чији сам чан од 1972).

Прилог 1: Пленара предавања:

1. **Particles - Simulating Complicated Processes with Meshfree Methods**
Peter Eberhard
University of Stuttgart, Germany
2. **Autonomous assembly of a team of flexible spacecraft**
Haiyan Hu
School of Aerospace Engineering, Beijing Institute of Technology, Beijing, China
3. **Internal resonances in tiny structures: new results and practical applications**
Steven Shaw^{1,2}
¹*Department of Mechanical and Aerospace Engineering, Florida Institute of Technology, Melbourne, FL, USA*
²*Departments of Mechanical Engineering and Physics and Astronomy, Michigan State University, East Lansing, MI, USA*
4. **Tailoring nonlinearity for advanced engineering design: linearization, optimization and practical realization**
Gaëtan Kerschen
Space Structures and Systems Laboratory, A Aerospace and Mechanical Engineering Department, University of Liège, Belgium
5. **Exact model reduction for nonlinear oscillations: from equations to data sets**
George Haller
Chair in Nonlinear Dynamics, Institute for Mechanical Systems, ETH Zürich

Прилог 2: Списак Минсимпозијума:

MS-01 Reduced-Order Modeling and System Identification

Co-organizers:

Lawrence A. Bergman, University of Illinois at Urbana-Champaign
Melih Eriten, University of Wisconsin-Madison
Mehmet Kurt, Stanford University

MS-02 Asymptotic Methods

Co-organizers:

Igor V. Andrianov, Aachen University
Jan Awrejcewicz, University of Lodz
Leonid I. Manevitch, Russian Academy of Sciences

MS-03 Computational Methods

Co-organizers:

Harry Dankowicz, University of Illinois at Urbana-Champaign
Jan Sieber, University of Exeter
Themistoklis Sapsis, Massachusetts Institute of Technology

MS-04 Experiments in Nonlinear Dynamics and Control

Co-organizers:

Walter Lacarbonara, University of Rome
Hiroshi Yabuno, University of Tsukuba
Guilhem Michon, University of Toulouse

MS-05 Slow-Fast Systems and Phenomena

Co-organizers:

Anatoly Neishtadt, Loughborough University
D. Dane Quinn, The University of Akron
Jon Juel Thomsen, Technical University of Denmark

MS-06 Fractional Derivatives

Co-organizers:

Riccardo Caponetto, Università degli Studi di Catania
Dana Copot, Ghent University
Pierre Melchior, Bordeaux Institute of Technology

MS-07 Dynamics and Optimization of Multibody Systems

Co-organizers:

Felix L. Chernousko, IPMech RAS
József Kövecses, McGill University
Werner Schiehlen, University of Stuttgart

MS-08 Nonlinear Phenomena in Mechanical and Structural Systems

Co-organizers:

Bala Balachandran, University of Maryland
Sotirios Natsiavas, Aristotle University of Thessaloniki
Jerzy Warmański, Lublin University of Technology

MS-09 Nonlinear Dynamics in Engineering Systems

Co-organizers:

Yuri Vladimirovich Mikhlin, National Technical University "Kharkov Polytechnical Institute"
Matthew Cartmell, The University of Sheffield
Konstantin Vitalievich Avramov, NAS of Ukraine

MS-10 Non-Smooth Dynamics

Co-organizers:

Claude-Henri Lamarque, Ecole Nationale des Travaux Publics de l'Etat
Remco Ingmar Leine, University of Stuttgart
Vincent Acary, INRIA Chile

MS-11 Systems with Time Delay

Co-organizers:

Zailhua Wang, Nanjing University of Aeronautics and Astronautics
Eric Butcher, The University of Arizona
Tamas Inperger, Budapest University of Technology and Economics

MS-12 Micro- and Nano-Electro-Mechanical Systems

Co-organizers:

Anil Bajaj, Purdue University
E.M. Abdel-Raman, University of Waterloo

Slava Krilov, Tel Aviv University

MS-13 Nonlinear Dynamics in Biological Systems

Co-organizers:

Gert van der Heijden, University College, London
Sachin Goyal, University of California
Gergely Röst, University of Szeged

MS-14 Nonlinear Dynamics for Engineering Design

Co-organizers:

Stefano Lenci, Università Politecnica delle Marche
Bogdan Epureanu, University of Michigan
Marco Amabili, McGill University
Marian Wiercigroch, University of Aberdeen

MS-15 Energy Transfer and Harvesting in Nonlinear Systems

Co-organizers:

Oleg Gendelman, Technion, Israel Institute of Technology
Alexander Vakakis, University of Illinois at Urbana-Champaign
Brian Mann, Duke University

MS-16 Random Dynamical Systems - Recent Advances and New Directions

Co-organizers:

Rachel Kuske, The University of British Columbia
Daniil Yurchenko, Heriot-Watt University
Radoslaw Iwankiewicz, Institut für Mechanik und Meerestechnik

MS-17 Time-periodic systems

Co-organizers:

Subhash C. Sinha, Auburn University
Dr. Thomas Puhössel, Johannes Kepler Universität
Tamas Kalmar-Nagy, Budapest University of Technology and Economics

MS-18 Control and Synchronization in Nonlinear Systems

Co-organizers:

Nathan van de Wouw, Eindhoven University of Technology
Bernard Brogliato, INRIA Grenoble Rhône-Alpes
Tomasz Kapitaniak, Technical University of Lodz

MS-19 Fluid-Structure Interaction

Co-organizers:

Andrei Metrikine, Delft University of Technology
Oded Gottlieb, Technion - Israel Institute of Technology
Kerry Hourigan, Monash University

MS-20 Wave Propagation in Mechanical Systems

Co-organizers:

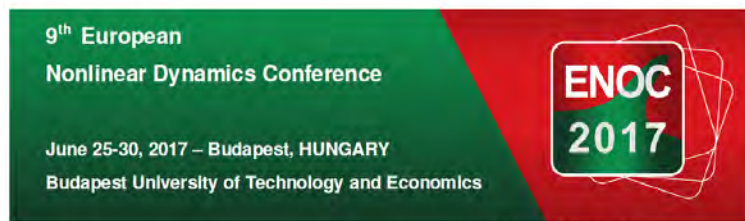
Massimo Ruzzene, Georgia Institute of Technology
Francesco Romeo, SAPIENZA University of Rome
Yuli Starosvetsky, Technion, Israel Institute of Technology

MS-21 Traffic and Vehicle Dynamics

Co-organizers:

Gabor Orosz, University of Michigan
Bart Besselink, University of Groningen in Groningen, the Netherlands

Прилог 3: Позивно писмо за учешће у Минисимпозијуму:



June, 10, 2016

To Professor Katica R. (Stevanovic) Hedrih,
Mathematical Institute SANU, Belgrade

Invitation to contribute to the ENOC 2017 Mini-Symposium MS09 on Nonlinear Dynamics in Engineering Systems

Dear Professor Katica R. (Stevanovic) Hedrih,

the **9th European Nonlinear Dynamics Conference (ENOC 2017)** will be held in Budapest, Hungary on June 25-30, 2017.

Although the brand name ENOC (European Nonlinear Oscillations Conference) is still used as the historical abbreviation, the current European Nonlinear Dynamics Conferences aim at covering the complete field of Nonlinear Dynamics, including Multibody Dynamics and coupling to Stability, Identification, Control and (Structural) Optimization. Information on the ENOC 2017 Conference is given at the ENOC 2017 website (<http://congressline.hu/enoc2017>) which will be continuously updated.

Following the tradition started at ENOC 2005, a substantial number of Mini-Symposia on major and challenging topics in Nonlinear Dynamics are scheduled to be organized by recognized scientists, acting also as chairpersons of those Mini-Symposia.

It is our pleasure *to invite you* to participate in the 9th European Nonlinear Dynamics Conference and *to contribute to the Mini-Symposium*

MS09 on Nonlinear Dynamics in Engineering Systems.

You are kindly invited to submit a *two-page Extended Summary* of your proposed presentation before **20 December 2016** online. Online submission with the relevant instructions will be available on **August 2016**. All Extended Summaries (ES) will be reviewed.

Interested contributors of the accepted ES will be also entitled to submit a *non-mandatory 6-10 page Paper* in *April 2017*.

Both the Extended Summaries and Full Papers will be published as Conference Proceedings in two parts and also made available online.

Conference website: <http://congressline.hu/enoc2017>

E-mail: ENOC2017@mm.bme.hu



EUROMECH



Budapest University of
Technology and Economics



Hungarian Academy of
Sciences

9th European

Nonlinear Dynamics Conference

June 25-30, 2017 – Budapest, HUNGARY

Budapest University of Technology and Economics



We do hope that you will accept our invitation to contribute to the Mini-Symposium on **Nonlinear Dynamics in Engineering Systems** at the ENOC 2017 Conference.

Please, do not hesitate to contact us or the Conference Secretary Gábor Csernák (ENOC2017@mm.bme.hu) in case anything is unclear or if you need additional information.

We look forward to receiving soon your positive response.

With kindest regards,

Yours sincerely

Professor Yuri V. Mikhlin
Dept. of Applied Mathematics, National Technical University "Kharkov Polytechnic Institute"
yuri_mikhlin@mail.ru

Professor Matthew Cartmell
Dept. of Mechanical Engineering, The University of Sheffield
m.cartmell@sheffield.ac.uk

Professor Konstantin V. Avramov
Dept. Department of Reliability and Dynamic Strength, Podgorny Institute for Mechanical
Engineering Problems, NAS of Ukraine
kvavr@kharkov.ua

Chairs of ENOC 2017 Mini-Symposium

MS09 on Nonlinear Dynamics in Engineering Systems

Conference website: <http://congressline.hu/enoc2017>

E-mail: ENOC2017@mm.bme.hu



9TH
EUROPEAN
NONLINEAR
DYNAMICS
CONFERENCE

25-30 June, 2017

Budapest, Hungary

Department of Applied Mechanics
Budapest University of Technology
and Economics

PROGRAMME

www.congressline.hu/enoc2017

Room 1 (KF51)

**16.00 - 18.00 MS 09 / V.
Nonlinear Dynamics in Engineering Systems**

Chair:
Katica Hedrih

Co-chair:
Antonio Papangelo

- 16.00 **ID 46**
Vibration localization and snaking bifurcations in a purely mechanical system
Antonio Papangelo¹, Aurelien Grolet², Norbert Hoffmann^{1,4}, Michele Ciavarella³
¹Hamburg University of Technology, Mechanical Engineering Department, Hamburg, Germany
²ENSAM, Department of Mechanics, Lille, France
³Polytechnic of Bari, Mechanical Engineering Department, Bari, Italy
⁴Imperial College London, Department of Mechanical Engineering, London, United Kingdom
- 16.20 **ID 168**
Study on the nonlinear model reduction of the flexible multibody system described by the spatial gradient-deficient beam element of ANCF
Yixuan Tang
Nanjing University of Aeronautics and Astronautics, School of Aeronautics and Astronautics, Nanjing, China
- 16.40 **ID 218**
Nonlinear phenomena in AFM arrays
Samuel Jackson, Stefanie Gutschmidt
University of Canterbury, Department of Mechanical Engineering, Christchurch, New Zealand
- 17.00 **ID 312**
Saturated adaptive control of muscle-like compliant manipulation systems
Carsten Behn, Konrad Siedler
Technische Universitaet Ilmenau, Department of Mechanical Engineering, Ilmenau, Germany
- 17.20 **ID 388**
Power flow of nonlinear vibration isolation with high-static-low-dynamic stiffness
Zeqi Lu¹, Li-Qun Chen²
¹Shanghai University, Shanghai Institute of Applied Mathematics and Mechanics, Shanghai, China
²Shanghai University, Department of Mechanics, Shanghai, China

13.30 - 15.30 MS 09 / IV.
Nonlinear Dynamics in Engineering Systems

Chair:
Yuri Vladimirovich Mikhlin

Co-chair:
Katica Hedrih

TUESDAY

- 13.30 **ID 158**
Dynamics of ball bearings with damages at outer raceway surface - vibration response under different loads
Ivana Atanasovska¹, Natasa Soldat²
¹Mathematical Institute of Serbian Academy of Sciences and Arts, Department of Mechanics, Belgrade, Serbia
²University of Belgrade - Faculty of Mechanical Engineering, Machine Design Department, Belgrade, Serbia
- 13.50 **ID 265**
Nonlinear rotordynamic-thermal analysis of micro gas turbines
Frans Duijnhouwer, Rob Fey, Henk Nijmeijer
Eindhoven University of Technology, Department of Mechanical Engineering, Eindhoven, The Netherlands
- 14.10 **ID 281**
Torsional vibrations in truck powertrains with dual mass flywheel having piecewise linear stiffness
Lina Wramner
Chalmers University of Technology, Applied Mechanics, Gothenburg, Sweden
- 14.30 **ID 308**
Non-linear dynamics of a rotor system with compliant seal
Simon Baeuerle, H. Hetzler
University of Kassel, Engineering Dynamics Group, Kassel, Germany
- 14.50 **ID 342**
Non-linear dynamics of a heavy mass particle and rolling ball along curvilinear trace of series of circle arcs: Phase trajectory portraits, some analogies and vibro-impacts
Katica Hedrih (Stevanovic)
Mathematical Institute of Serbian Academy of Sciences and Arts, Department of Mechanics, Belgrade, Serbia
- 15.10 **ID 22**
Evaluating nonlinear responses of asphalt concrete mixtures under time-dependent loading: in view of three representation functions
Chun-Hsing Ho, Cristina Pilar Martin Linares
Northern Arizona University, Department of Civil and Environmental Engineering, Flagstaff, USA

**16.00 - 18.00 MS 02 / III.
Asymptotic Methods**

Chair:
Igor V. Andrianov

Co-chair:
Alexey Porubov

16.00 ID 198
Control of nonlinear localized waves by an external action
Alexey Porubov
*Institute of Problems of Mechanical Engineering, Department of Micromechanics
of Materials, Saint Petersburg, Russia*

16.20 ID 197
**Forced resonance vibrations of the dissipative
spring-pendulum system**
Yuri Vladimirovich Mikhlin
National Technical University "KhPI", Applied Mathematics, Kharkov, Ukraine

16.40 ID 343
**Energy method applied to the asymptotic methods
of non-linear mechanics**
Katica Hedrih (Stevanovic)
*Mathematical Institute of Serbian Academy of Sciences and Arts,
Department of Mechanics, Belgrade, Serbia*

17.00 ID 424
**Energy transport and localization in the system
of harmonically coupled pendulums**
Margarita Kovaleva, Valeri Smirnov, Leonid Manevitch
*Semenov Institute of Chemical Physics, Russian Academy of Sciences,
Department of Polymers and Composite Materials, Moscow, Russia*

17.20 ID 489
**2D control of energy transport in the locally resonant unit cell
model with self excitation**
Margarita Kovaleva¹, Nina Ryazan², Yuli Starosvetsky²
¹*Semenov Institute of Chemical Physics, Russian Academy of Sciences,
Department of Polymers and Composite Materials, Moscow, Russia*
²*Technion – Israel Institute of Technology, Faculty of Mechanical Engineering, Haifa, Israel*

17.40 ID 6
**Stochastic Asymptotic-preserving Galerkin methods
for multiscale kinetic equations with uncertainties**
Shi Jin
*Institute of Natural Sciences, Shanghai Jiao Tong University, China and Department
of Mathematics, University of Wisconsin, Madison, USA*

Прилог 4: Фото галерија.











On the occasion of ENOC 2011, the EUROMECH Nonlinear Oscillations Conference Committee (ENOCC) has conferred an

ENOC 2011 Young Scientist Prize

to **Mrs. Andjelka N. Hedrih**

for the best presentation given at the 7th European Nonlinear Dynamics Conference, Rome, 24-29 July 2011,

within a Regular Session on "Biosystems":

"Modeling oscillations of Zona Pelucida before and after fertilization"

In addition to the requirements for the ENOC 2011 Proceedings the prize recipient is invited to write a contribution with respect to his (her) presentation, to be published in the EUROMECH Newsletter

Giuseppe Rega
Chairman of ENOC 2011

Dick H. van Campen
Chairman of ENOCC



SAPIENZA
UNIVERSITÀ DI ROMA

ENOC 2011
AN ATTRACTOR FROM HISTORY

50 years

ICNO and ENOC 1961 - 2011

ICNO International Conference on Nonlinear Oscillations
(Conferences I – XII, 1961 – 1990)

ENOC European Nonlinear Oscillations Conference
(Conferences I – VII, 1993 – 2011)

EUROMECH
European Mechanics Society

ENOC VII
July 24 – 29, 2011, Rome

The 12 ICNO - Conferences

ICNO I	September 1961	Kiev (USSR)	Chair: Mitropolsky
ICNO II	September 1962	Warsaw (Poland)	Chair: Ziembra
ICNO III	May 1964	Berlin (GDR)	Chair: Reißig
ICNO IV	September 1967	Prague (Czechoslovakia)	Chair: Djadkov
ICNO V	August 1969	Kiev (USSR)	Chair: Mitropolsky
ICNO VI	September 1972	Poznan (Poland)	Chair: Ziembra
ICNO VII	September 1975	Berlin (GDR)	Chair: Schmidt
ICNO VIII	September 1978	Prague (Czechoslovakia)	Chair: Pust
ICNO IX	September 1981	Kiev (USSR)	Chair: Mitropolsky
ICNO X	September 1984	Varna (Bulgaria)	Chair: Brankov
ICNO XI	August 1987	Budapest (Hungary)	Chair: Farkas
ICNO XII	September 1990	Cracow (Poland)	Chair: Gutowski



The last activities of ICNO



Yu. A. Mitropolski



D. G. Crighton



The first activities of ENOC

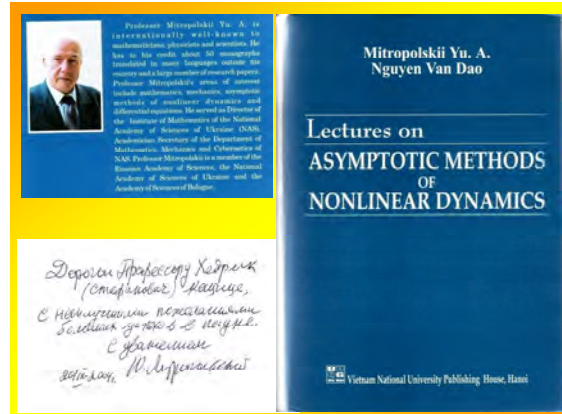
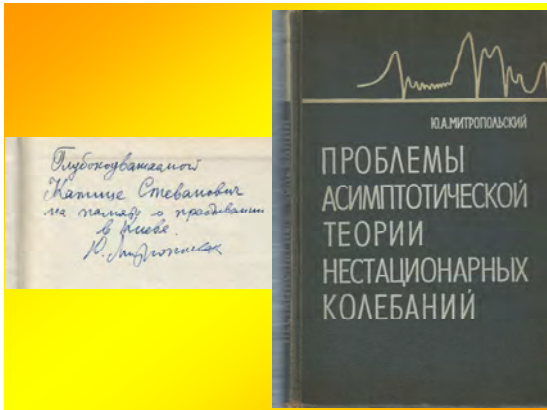


November 28, 1991

Recommendation of Prof. G. Schmidt and Prof. E. Kreuzer to the President of the European Mechanics Society, Professor David G. Crighton, Cambridge, to include ICNO into EUROMECH's Conference Activities.

Decision 1992 to continue ICNO (International Conference on Nonlinear Oscillations) as the EUROMECH Conference ENOC (European Nonlinear Oscillations Conference) with the first ENOC held in Hamburg 1993 under the Chair of Professor Edwin Kreuzer

- ENOC I Hamburg, August 16 - 20, 1993, Chairman Professor Edwin Kreuzer
- ENOC II Prague, September 9 - 13, 1996, Chairman Professor Ladislav Pust, Secretary Professor Frantisek Peterka
- ENOC III Copenhagen, August 8 - 12, 1999, Chairman Professor Hans True
- ENOC IV Moscow, August 19 - 23, 2002, Chairman Professor Klimov
- ENOC V Eindhoven, August 7 - 12, 2005, Chairman Professor Dick van Campen
- ENOC VI St. Petersburg, June 30 - July 4, 2008, Chairman Professor Alexander Fradkov
- ENOC VII Rome, July 24 - 29, 2011, Chairman Professor Giuseppe Rega








List of Some Citations (List of Quotations) of Some Books and Papers written by Katia Stevanović (Hedrih) or Katia (Stevanović) Hedrih (January 2003)


1. * * Katia Stevanović (Hedrih). *О вращательных колебаниях балки под воздействием системы масс и приложениях к мая булгарующих сил, взаимодействующих с перемной скоростью*. Ед. Аналитическое и качественное методы в теории нелинейных колебаний, Редактор Ю. А. Митропольский. Институт Математики АН УССР, Киев, 1971, стр. 15.
Paper cited (quoted) in Monograph: *Yu. A. Mitropolskii and B.L.Mosecnkov: Asimptoticheskie reseniya nelineinykh sistem proizvodnih*, Kiev 1976, (Listed under No. 138).
2. * * Katia Stevanović (Hedrih). *Лучшаястойные нестационарные вынужденные колебания балки. Математическая физика*, вып. 12, Киев, 1972, стр. 127-140.
Paper cited (quoted) in Monograph: *Yu. A. Mitropolskii and B.L.Mosecnkov: Asimptoticheskie reseniya nelineinykh sistem proizvodnih*, Kiev 1976, (Listed under No. 139).



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See, S2, 1907-1908, 259, 261, 267

Stevanović, K., and D. Kostrovich (1974). Many frequency vibration in one frequency regime of nonlinear systems with several degrees of freedom. *Zagadnienia Drgan Nelineinowych*, 15, 201-220. 418

Beograd, 20.11.1969.

Draga Estice,

ime. Priznajem da sam Vas mnogo nagajivao sa ovim poslovanja, ali što kaže, Vi ste mi jedina uzdanica i poslušajte jednom veličko Vas izvala.

Uz zahvalnost, mnogo, mnogo toplih pozdrava
Vas

Александр Шербицкий

Своим именем и авторством, своим вкладом, на протяжении всей жизни помогать науке и технике

Александр Шербицкий

**ICNO International Conference on Nonlinear Oscillations
Kiev 1969 (Yugoslavia, Netherlands and Ukraine)**

Serbian Symposium on Nonlinear Mechanics, Aradjevac, 1984; Invited Lecturer Academician RAN and
NANU Yu. A. Mitropolskiy (KIEV) in Niš

