

M I S C E L L A N E A

- List of Mathematicians and Computer Scientists of Romanian extraction residing outside Romania
- From the bookshelves
- Personalia
- Contributors to the volume XXII
- LIBERTAS MATHEMATICA (publication policy, subscription, exchanges)
- Contents of volume XXII

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FROM THE BOOKSHELVES

GASTON N'GUEREKATA: *Almost Automorphic and Almost Periodic Functions in Abstract Spaces*. Kluwer Academic/Plenum Publishers, 2001, 148 pp.

The book is a self-contained presentation of the theory of almost automorphic vector valued functions in the sense of Bochner. The volume also contains the theory of almost periodic functions with values in general topological spaces.

The third part of the volume is dedicated to applications of both concepts to differential equations in abstract spaces. Asymptotically almost periodic functions are also discussed, mainly in regard to applications. In the framework of Birkhoff dynamical systems, as they are presented in the well known book of Niemytskii and Stepanov, the theory of semi-groups of linear operators is considered and applications are included.

Differential equations of the forms $x'(t) = Ax(t) + f(t)$ or $x'(t) = f(t, x(t))$ are dealt with.

The book should serve as a reference source for experts in the above mentioned areas, but also as a graduate text for students in Mathematics or Sciences. The list of references contains 52 items.

IOAN RUS and ADRIAN PETRUSEL (Eds): *Seminar on Fixed Point Theory*. Cluj-Napoca, vol. III/2002. Department of Applied Mathematics, Babes-Bolyai University, Cluj-Napoca.

This volume contains the proceedings of the International Conference on Nonlinear Operators, Differential Equations and Applications, held in Cluj-Napoca in September 2001. It contains 44 contributed and invited papers, authored by mathematicians from 8 countries. The mathematicians from Cluj have the largest number of contributions. Particularly active were the members of the Department of Applied Mathematics from the University Babes-Bolyai, including the head of the department Prof. Ioan Rus, Prof. G. Micula, Prof. A. Petrusel, Dr. Adriana Buica a.o. Most of the papers deal with differential equations, both ordinary and partial. Various fixed point results are also inserted and some contributions stress the numerical methods. The volume represents a solid contribution to the areas mentioned above. Among the contributors we notice the names of T.A. Burton (USA), V. Barbu (Romania), George Isac (Canada), M. Megan (Romania), Cezar Avramescu (Romania), Biagio Ricceri (Italy), Dan Butnariu (Israel), Radu Precup (Cluj-Napoca). The volume will serve the researchers in the areas considered and discussed by the authors.

TITU ANDREESCU and RAZVAN GELCA: *Mathematical Olympiad Challenges*. Birkhauser, 2000, XV + 253 pp.

The authors of this interesting volume are both of Romanian extraction and live and work in the United States. Titu Andreescu is the Director of American Mathematics Competitions (University of Nebraska at Lincoln), while Razvan Gelca is an Assistant Professor of Mathematics at the Texas Technical University in Lubbock, Texas. Both authors have

participated and won awards in the Mathematical Olympiads since they were high school students in Timisoara, Romania. The book contains a large number of problems proposed to various Mathematical Olympiads. They are grouped as follows: Geometry and Trigonometry; Algebra and Analysis; Number Theory and Combinatorics. The solutions are presented in the second part of the book. An Appendix is dedicated to Definitions and Notations.

The authors also notice that the first International Mathematical Olympiad has been hosted by Romania, under the auspices of the Romanian Mathematical Society. Prof. Tiberiu Roman, then the General secretary of the society, had this valuable idea and was instrumental in organizing this olympiad.

N.IRIMICIUC: *MANGERON - a professor among professors (Romanian)*. Publishing House "Glasul Bucovinei", Iasi, 1995, 155 pp.

This book is dedicated to the memory of Dimitrie Mangeron, a former professor of Mechanics (and department chair) at the Technical University "Gh.Asachi" of Iasi. It contains detailed presentation of his life and work, his association with the Bulletin of the Polytechnic Institute "Gh.Asachi", whom he founded and directed for many years. Dimitrie Mangeron was a student of Mauro Picone in Naples, during the early 1930's. He then shifted his interest from partial differential equations to mechanics, and published a large number of papers in this fields. His contributions have attracted the attention of such famous mathematicians as G. Birkhoff from Harvard, and I.I. Artobolevski from the Soviet Academy of Sciences.

Prof.(Emeritus) Irimiciuc was a long time collaborator of Dimitrie Mangeron, and his successor to the chairmanship of the Department of Mechanics from the Technical University of Iasi (formerly, the Polytechnic Institute of Iasi).

PERSONALIA

Daniel TATARU, with the University of California at Berkeley, has been awarded the 2002 Bocher Prize of the American Mathematical Society. Two other young mathematicians have been awarded the same prize (Terence TAO and Fanghua LIN). This prize is awarded every three years for distinguished research results obtained by the candidates. The work of Daniel Tataru for which the prize has been awarded is related to the wave (hyperbolic) equation.

From the awardee answer: "I feel very honored to receive the 2002 Bocher Prize for which I am very grateful to the selection committee and the American Mathematical Society. I would like to take this opportunity to acknowledge several people who have significantly influenced my work. My undergraduate mentor, Viorel Barbu, provided a model and an inspiration for me on what it means to be a mathematician."

Radu MIRON, an Emeritus Professor with the University "Al.I. Cuza" from Iasi, and a Member of the Romanian Academy, is 75 years old in 2002. In observance of the event, an international conference on Geometry will be held in Iasi, in the month of August. His colleagues and friends are warmly congratulating him in this occasion.

Dorin IESAN, a Professor with the University "Al.I. Cuza" from Iasi, has been recently elected a Corresponding Member of the Romanian Academy (Mathematical Division). Congratulations for Dorin, whose admission at the university (late 1950's) has been denied on political reasons.

Constantin CORDUNEANU, an Emeritus Professor with the University of Texas at Arlington, has traveled to Chile, where he visited the University of the Lagos in Osorno. He spoke about Functional Equations with Causal Operators. A workshop has been also organized whose theme was the theory of equations with discrete time. He has also participated and presented a lecture in the framework of the Itinerant Seminar on Functional Equations "Tiberiu Popoviciu". The last event took place in Cluj-Napoca, May 22-25. This seminar was initiated some three decades ago by the late Tiberiu Popoviciu (1906-1975), a former student of Paul Montel in Paris and a faculty member with the universities of Bucharest, Cernauti, Iasi and Cluj-Napoca.

Adriana NASTASE, an Emeritus Professor with the RWTH in Aachen, has been a speaker at the 27th Annual Congress of the American Romanian Academy of Arts and Sciences, held at the University of Oradea, from May 29th to June 2nd. Her presentation was entitled "A new method to obtain zonal, spectral solutions for the Navier-Stokes layer".

Petru SOLTAN, a Professor with the State University of Moldova in Chisinau, currently associated with the laboratory of "Discrete Optimization", and a Member of the Academy of

Science of Moldova, had his 70th Birthday in 2001. We congratulate him for this event, even though with some delay. He was an active participant in the Itinerant Seminar on Functional Equations, held at the University "Babes-Bolyai" from Cluj-Napoca in May 2002.

Florentin SMARANDACHE, with the University of New Mexico in Gallup, has been recently promoted to Associate Professor. He continued his varied activity as a mathematician, writer with many interests, including Philosophy. His Neutrosophy is amply debated by academics and researchers.

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