



In memoriam Adelina Georgescu

April 25, 1942 – May 1, 2010



Am cunoscut pe marea noastră matematiciană Profesor Dr. Adelina Georgescu și am admirat-o din inimă atât pentru importanta creație științifică și frumoasa activitate didactică, cât și pentru energia inepuizabilă cu care a luptat pentru neamul românesc.

Cu negrăită emoție îmi amintesc tot ce a reușit pentru unitatea noastră, de la primele manifestări de după 1989, Sesiuni științifice organizate în 1991-1992 și în continuare, pentru matematicienii români de la răsărit și apus de Prut și lupta pentru o cât mai strânsă colaborare între ei.

Spiritul de inițiativă și talentul deosebit de organizare stau la temelia importantei Societăți ROMAI, pe care a creat-o în 1992 și a seriei de Conferințe Internaționale CAIM inițiată în 1993, care a ajuns în 2010 la cea de a 18-a ediție.

Doresc ca această Societate să rodească mai departe pentru înflorirea matematicii în România și peste hotare, mai ales în Republica Moldova.

La aceste minunate realizări se adaugă cei doi fii Andrei și Sergiu Moroianu, pe care i-a crescut în dragoste pentru matematică și care sunt astăzi la rândul lor creatori de renume internațional în această știință și totodată întemeietori de rodnice familii. Li se adaugă doctorii în științe matematice precum și alți tineri călăuziți de Doamna Profesor pe căile acestei științe.

Retrăind amintiri despre Adelina, gândul mă duce la Doamna Oltea, mama lui Ștefan cel Mare, simbol al femeii române luptând pentru dreptatea și înflorirea României. Fie ca tradiția făurită de Doamna Profesor Adelina Georgescu să fie continuată și dezvoltată strălucit și mai departe!

Prof. univ. Cabiria Andreian Cazacu

Cuvant tinut in cadrul CAIM 2010 la Iasi, la lansarea cartii *Matematica si viata*, scrisa de Adelina Georgescu si Lucia Dragotescu.

I have known our great mathematician Professor Adelina Georgescu, and I admired her from all my heart both for her important scientific creation and for the beautiful didactical activity as well as for the inexhaustible energy with which she fought for the Romanian people.

With unspeakable emotion I remember all she managed to do for our unity, from the first manifestations after 1989, the sessions organized in 1991-1992, and after, mainly for the Romanian mathematicians from the East and West of Prut and the fight for their close collaboration.

Her vivid spirit and organizing talent lie at the base of the important Mathematical Society ROMAI, which she founded in 1992, and of the series of Conferences on Applied and Industrial Mathematics (CAIM) that she initiated in 1993, and that reached in 2010 the 18th edition.

I wish that this Society to be also fruitful from now on, for the flourishing of the mathematics from Romania and abroad, especially from Republic of Moldova.

To this wonderful achievements we must add her two sons, Andrei and Sergiu Moroianu, that she grew up in the spirit of love for mathematics and that are now, at their turn, well-known mathematicians and also heads of beautiful families.

To them we must add the doctors in mathematics and many other young persons that were lead by Professor Adelina Georgescu on the ways of this science.

While reminding Adelina, the thought takes me to Doamna Oltea, mother of Stephen the Great, the symbol of Romanian women fighting for justice and for the flourishing of our country, Romania. Let the tradition developed by Professor Adelina Georgescu be brightly continued and developed further!

Professor Cabiria Andreian Cazacu.

Speech held by Professor Cabiria Andreian Cazacu, at CAIM 2010, in Iasi, when the book *Mathematics and Life*, written by Adelina Georgescu and Lucia Dragotescu was launched.

A life dedicated to the whole "Knowledge"

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*Considerate la vostra semenza:
fatti non foste a viver come bruti,
ma per seguir virtute e conoscenza.
(Dante Alighieri, Divina Commedia,
Inferno, Canto XXVI, versi 118-120)*

This contribution contains the speech delivered by the author with the occasion of the Mini-symposium, organized in collaboration with D. Jou, M. S. Mongiovi and W. Muschik, as a part of the 2010 Conference of SIMAI (Italian Society of Applied and Industrial Mathematics), which was held between 21-25 June in Cagliari, Sardegna, Italia. This Mini-symposium, entitled "Recent Ideas in Non-Equilibrium Thermodynamics and Applications" was dedicated to the memory of Prof. Dr. Adelina Georgescu, co-researcher and a great author's friend.

We dedicate this Mini-symposium, regarding the latest ideas in *Non-Equilibrium Thermodynamics and Applications to physical-mathematical models of complex materials*, to Prof. Adelina Georgescu, a member of the Scientists' Academy of Romania, a great master and an eminent scientist. Her death, on May 1st 2010, leaves behind a very great emptiness in the field of Applied Mathematics and not less in the lives of those who knew and worked with her.

I am deeply grateful for her very precious advices in the organization of my research and the very enlightening discussions and remarks regarding a lot of mathematical concepts and tools, with their practical applications in different fields of science.

She was my great and unforgettable friend, invaluable guide and scientific collaborator. Since 2002 I invited her as visiting professor at the University of Messina for giving lectures and seminars on: Non-linear Dynamics, Bifurcation theory, Variational problems in Mathematical-Physics, Thermodynamics of fluids, Asymptotic methods with applications to waves and shocks, Complex fluid flows, Modeling in Meteorology, Turbulence, Modeling in cancer dynamics.

I always thanked her for her profound participation and for her very precious contribution in spreading her research methodologies (a scientific literature on foundations and recent progress in Mathematical-Physics due to the Romanian and Russian schools) and, especially for her publications (very useful due to their synthetic style and clarity in explaining all concepts) at the University of Messina.

Some of her books and publications have been already translated from Romanian to Italian, in order to be known in Italy for their invaluable qualities.

She also was a corresponding member of "Accademia Peloritana dei Pericolanti" of Messina; a special issue of the *Academic Acts* (on-line) of this institution, will be published, containing a collection of the lectures held by Prof. Adelina Georgescu during her visits at Messina.

She was the founder and president of ROMAI (Romanian Society of Applied and Industrial Mathematics) since 1992. Furthermore, she founded the Institute of Applied Mathematics of Romanian Academy (IAM), which she led as director until 1995. In 1997 she became full professor at the University of Pitești (Romania), where she founded the Chair of Applied Mathematics (the head of which she was for several years), where she created the group of research on Dynamical systems and Bifurcation. She was the editor in chief of ROMAI Journal since 2005.

Since 1993, year by year she has organized the CAIM International Conferences, devoted to contributions in Applied and Industrial Mathematics, the Romanian analogous to SIMAI International Conferences in Italy.

She delivered about 200 conferences at several universities and research units mostly from abroad. Moreover, she sustained short or plenary conferences at about 150 scientific meetings. She published (some are still in press) about 20 books (research monographies, three of them at Kluwer and Chapman & Hall and one at World Scientific, dictionaries, university texts), alone or in collaboration, and more than 200 papers in scientific journals most of them in ISI journals or refereed in MR and ZBM. She was awarded the Romanian Academy prize and many other distinctions. She was honored as a Doctor Honoris Causa of the State University of Tiraspol (Rep. of Moldova). She was a corresponding member of the Academy of Nonlinear Sciences (Moscow).

The main topics of Prof. Adelina Georgescu's researches were in Hydrodynamics and applications to complex fluid flows, Turbulence, Meteorology, Perturbation theories for partial differential equations, Boundary layer theory, Hydrodynamics stability, Study of solutions of partial differential equations, Non-linear dynamics, Bifurcation theory, Variational problems in Mathematical-Physics, Modeling in cancer dynamics, Biomathematics, Synergetics.

She dedicated to the progress of science her very generous and honest and highly moral and responsible life, studying very deeply mathematical and physical theories with applications and giving them new impulse.

Her courageous ideas in a difficult politic framework had been well known by whole scientific world.

She was a gifted and talented woman with a very great humanity and



Professors Adelina Georgescu and Liliana Restuccia, at University of Messina, 2007

very broad interests. Besides her basic research items like Physics and Mathematics (Applied Mathematics, in particular), she was interested in politics, history, geography, languages, religion, literature, medicine.

At the University of Messina we will be open a Study Center "Adelina Georgescu" of Applied Mathematics, dedicated to her memory, for her work be known by the present generations and those to come. This Center has as objective to spread at international level her books and publications, her research methodologies, her ideas, in general, and in particular those in Synergetics (the new synthesis of the science) and in the directions to be followed in order to find the science truths. Furthermore, this Center has also the goal of organizing international conferences, meetings, study days, lectures and seminars for discussing issues as: foundations and recent progresses in different fields of Applied Mathematics, with the participation of speakers of high scientific level, researchers and students.

I think that if there is a place where there is now Adelina Georgescu, well, then this is the Paradise, the Dante Alighieri's Paradise of the whole "Knowledge", to which Adelina devoted her entire life.

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