



**Professor Dao Huy Bich**

See:

<http://user.hus.edu.vn/mechanics/home/staff/dao-huy-bich>

<http://translate.google.com/translate?hl=en&sl=vi&u=http://100years.vnu.edu.vn/BTDHQGHN/Vietnamese/C1778/C1779/2006/05/N7675/&prev=search>

Department of Mechanics  
Vietnam National University, Hanoi

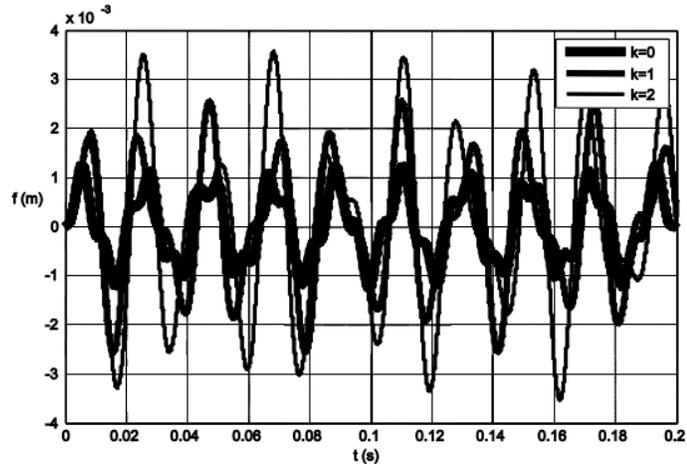
**Biography and Tribute** (Written by Dao Van Dong for the 100th Anniversary of the Vietnam National University, Hanoi):

As a karmic predestined, GS. Bich Dao Huy came to teaching when he was barely 17 years old with the position of Rector of level I Nghia Tru and Van Giang, Hung Yen.

Later, he entered the University of Hanoi, graduated first in Mathematics from 1959. Since then, GS.TSKH.NGUT. Bich Dao Huy has dedicated his entire career to growing the country's people.

Speaking to GS. Bich Dao Huy was speaking to an enthusiastic educator, an exemplary teacher. His lectures have high scientific content, updated and attractive. The problem seemed Mechanics dry and his complex was illustrated with rich applications have practical significance attracted generations of students more love their chosen professions. He often have clues, encouraging young staff and good students acquainted with scientific research.

He has taught many courses from basic to the thematic, not only for students of mechanics but also teach graduate students and PhD students in Hanoi National University and many other universities . He has trained many generations of students. All those who learned he shared the pride, honor and grateful for his guidance. From the years of hardship and the country still lack, from where evacuation in Dai Tu, Bac Thai Province (now Thai Nguyen), he spent a large part of the time to compile lectures, write books Textbooks with a simple desire to document student learning. With extensive knowledge and dedication pleased, so far he has published 17 textbooks and monographs. It is the student handbook and school officials refer. Many good books, high



*Fig. 2.* Non-linear dynamic responses of FGM spherical shells with various  $k$

From: Dao Huy Bich and Le Kha Hoa, "Non-linear vibration of functionally graded shallow spherical shells", Vietnam Journal of Mechanics, VAST, Vol. 32, No. 4, pp 199-210, 2010

pedagogical as: "Theory of Elasticity", "Theory of plasticity", "Theoretical Mechanics" have been reprinted many times.

He also made many contributions in the work of compilation, improved university programs and graduate. He often interested in training objectives, modernity, science and rationality of the program to suit the specific conditions in Vietnam.

For our generation, GS. Bich Dao Huy was a true scientist, passion and persistence in scientific research. The years of study at the University of Lomonoxop for years he is striving hard and mature. He has self-affirmed his scientific path by successfully defending his doctoral thesis in 1965 and science doctoral dissertation 1988. He is the author and co-author of 60 scientific works price treatment has been published in prestigious journals in the country and internationally. Have to say, the current GS. Huy Bich Dao is one of the leading experts of our country in the field of solids mechanics. His research on the elastic-plastic theory and nonlinear structural analysis of composite materials is both new scientific and application-oriented medium, has attracted many young mechanics involved in research. He successfully directed 7 doctoral theses, master's theses and many continue to work in this training. In particular, he is interested in detection and help foster young talent to develop. He was one of the founders of the Olympic Games Mechanics - Olympic first students in the nation. Passion for his science as flames blazed and spread themselves warm create inspiration for generations of students confidently into the path of science, despite knowing that it was extremely long path trouble, but very magical. Among his pupils were mentored now has 1 professors, 2 doctor of science, associate professor 2 and how other staff have grown.

From 1982 to date, GS. Bich Dao Huy always chaired the seminar on solids mechanics. This really is a rewarding scientific environment and attractive, has gathered many officials inside and outside the school involved. Many new scientific issues, several updates were presented and discussed here. Many young professionals, graduate students have been trained in this training seminars. With this seminar, we not only collected but also share their knowledge with each other worries in life, in work where the soul becomes more serene and bright.

GS. Bich Dao Huy chaired 5 basic research topics of State, 2 projects of Ministry. Most of the topics are appreciated.

Speaking of GS. Bich Dao Huy, Prof. Dr. Nguyen Dang Bich (Institute of Science and Technology in Hanoi Construction), one of his students wrote: "GS. Dao Huy Bich wrote many books including monographs, textbooks science. Read the book, which I wrote new work shows the indefatigable perseverance of teachers in editing, thematic present in many areas of Mathematics, Mechanics, Physics. Many of the concepts, principles abstract reason be interpreted strictly, understandable scientific and pedagogical high. Writing is a job of a heavy and time consuming, effort, but writing books is to teach, train future generations so although not very well, he has worked tirelessly for many hours in the day.

GS. Bich Dao Huy was transmitted to the game and his sons infatuation and love science, evoke and awaken the ability, the will of them, leading them on a path that reassured arduous science and challenges and have the determination to go to the destination. Many fathers and mothers can be very successful in mentoring students but less successful in mentoring his sons on the path of science. GS. Huy Bich Dao is one of the few who succeed both".

Not only my best contribution to science and education, GS. Bich Dao Huy also working actively participating unions and responsible management. He is Deputy Chairman of the Department of Mathematics - Mechanical (1970 - 1986), Head of Department of Mechanics (1988 - 2002), member of Party School of the University of Hanoi and the University of Natural Sciences - Vietnam National University (1990 - 1996), Vice Chairman of the Vietnam Mechanics. With his reputation, he was elected to the Council of State Professor Title Mechanics industry.

In recognition of the achievements and dedication of GS. Bich Dao Huy for the construction and development of the University of Hanoi (now the Vietnam National University, Hanoi), for over 40 years, the State, Ministry of Education and Training, National University Hanoi has awarded him numerous medals, medals and certificates of merit: the Third Resistance Medal (1986), the title of People's Teacher (1998), National Emulation Fighter (2001), Labor Medal First Class (2003), 40 years old Coat Party (2004) ...

Currently, GS. Bich Dao Huy still actively involved in teaching, training and research Mechanics. It seems age and time does not diminish the love of job and his passion for science. I remember one time he came to speak to students in Mathematics - Mechanical of trades, one student asked him: "The secret to success in Professor medium and life sciences?" GS. Bich Dao Huy replied: "Happiness is an effort to harmonize in many ways". This affordable life theorem or theorem of conservation of energy in mechanics that we have studied and pondered.

Certainly there are many memories of GS. Bich Dao Huy that we still do not know or cannot all be mentioned here. Allow me on behalf of the Department of Mathematics colleague - Mechanical - Informatics, Department of Mechanics and generations of students to thank Prof. Dr. Bich Dao Huy on the merits and valuable contribution that. Wishing Professor and family health, happiness and success. Happy Prof continue to devote much more to science, to education should contribute to training the younger generation Vietnam has the knowledge and qualities, bring prosperity to the country.

#### **Selected Publications:**

Dao Huy Bich (2009), "Non-linear buckling analysis of functionally graded shallow spherical shells", Vietnam Journal of Mechanics VAST 31(1), pp. 17-30.

Dao Huy Bich and Le Kha Hoa, "Non - linear vibration of functionally graded shallow spherical shells", Vietnam Journal of Mechanics, VAST, Vol. 32, No. 4, pp 199-210, 2010

Bich D. H., Long V. D., Nonlinear dynamical analysis of imperfect FGM shallow shells, Vietnam Journal of Mechanics, 32 (2010), 1 - 14.

Dao Huy Bich, Vu Hoai Nam, Nguyen Thi Phuong, Nonlinear postbuckling of eccentrically stiffened functionally graded plates and shallow shells, Vietnam Journal of Mechanics, 33(3) (2011) 131 - 147.

Dao Huy Bich, Hoang Van Tung (2011), "Non-linear axisymmetric response of functionally graded shallow spherical shells under uniform external pressure including temperature effects", Int. J.of Nonlinear Mech. 46 (2011), pp. 1195-1204.

Bich DH, Dung DV, Nam VH. Nonlinear dynamical analysis of eccentrically stiffened functionally graded cylindrical panels. Compos Struct 2012;94(8):2465-73.

Bich DH, Dung DV, Hoa LK. Nonlinear static and dynamic buckling analysis of functionally graded shallow spherical shells including temperature effects. Compos Struct 2012;94:2952-2960.

Bich DH, Phuong NT, Tung HV. Buckling of functionally graded conical panels under mechanical loads. Composite Structures 2012;94:1379-1384.

Dao Huy Bich and Nguyen Thi Phuong, "Buckling analysis of functionally graded annular spherical shells and segments subjected to mechanic loads", VNU Journal of Mathematics - Physics, Vol. 29, No. 3, pp 14-31, 2013

Nguyen Thi Phuong and Dao Huy Bich, "Buckling analysis of eccentrically stiffened functionally graded circular cylindrical thin shells under mechanical load", VNU Journal of Mathematics - Physics, Vol. 29, No. 2, pp. 55-72, 2013

Bich Huy Dao, Ninh Gia Dinh and Thinh Ich Tran, "Buckling Analysis of Eccentrically Stiffened Functionally Graded Toroidal Shell Segments under Mechanical Load." J. Eng. Mech. , 10.1061/(ASCE)EM.1943-7889.0000964, 2015

Vu Thi Thuy Anh, Dao Huy Bich and Nguyen Dinh Duc, "Nonlinear stability of thin FGM annular spherical shells on elastic foundations under external pressure and thermal loads", European Journal of Mechanics/A

Solids, Vol. 50, pp 28-38, 2015