

Posthumous tribute to our colleague Henryk Chrostowski, PhD, eng. (1945-2017)

It was with deepest sadness that we learned of the passing, on 9 January 2017, of our colleague with whom we had been bound with ties of friendship, partnership and collaboration in the field of research and education relating to broadly understood fluid systems and controls. We are paying our last tribute not only to the outstanding educator and researcher, but also to the brilliant organizer and technical knowledge propagator, the President of the Hydraulic Control and Drive Section of the Association of Polish Mechanical Engineers and Technicians (SIMP), the President of the Chamber of Commerce for Components and Technologies and the Vice-president of its Hydraulic Drives and Controls Corporation.

Henryk Chrostowski, PhD, eng. was born on 11 February

1945 in the Makowskie Village in the Podlasie Province. Since he was four he lived in Wrocław, which became his beloved city. In 1964 he finished the Mechanical Engineering Secondary School at the Aviation Research Centre in Wrocław, obtaining the title of mechanical engineering technician. In 1970 he graduated from the Mechanical and Power Engineering Faculty of Wrocław University of Science and Technology (WUS&T), obtaining the master's degree in mechanical engineering. In 1970 he began his professional career as junior research & teaching assistant at the Mechanical and Power Faculty of WUS&T, in the Water-Powered Machines Unit headed by Ryszard Rohatyński, PhD, eng. After restructuring, under the latter's supervision, now in the Mechanical Engineering Faculty Hydraulic Devices Modelling Unit, he defended his doctoral dissertation entitled: "Fundamental calculation problems relating to the self-acting lift valves in piston pumps" and was awarded the Doctor of Technical Sciences degree.



Photo 1. Dr Henryk Chrostowski during opening of periodic conference Hydraulic and Pneumatic Drives and Controls in October 2009.



Photo 2. Dr Henryk Chrostowski chairing session at Hervex conference in Calimanesti-Calciulata organized by Fluidas – association of Romanian entities dealing in fluid technology – November 2010.

We have lost a highly regarded academic, colleague, outstanding scientist and educator of many generations of students. The former: Deputy Director of the WUS&T Teaching Division 1989-1990, in the years 1981-1987 Deputy Head of the Institute of Machines Design and Operation, Deputy Dean of Mechanical Engineering Faculty at WUS&T in the years 1990-1996, plenipotentiary of the Mechanical Engineering Faculty Dean for Development, in 1994 organizer of the Deans of the Mechanical Engineering Faculties Convention – the first such convention in the history of Polish technical universities, member of the National Education Ministry Team for developing minimum curriculum requirements for the new field of study Automation and Robotics. Owing to the above mentioned and other efforts the WUS&T Mechanical Engineering Faculty was recognized as one of the best mechanical engineering faculties in Poland. Head of the Applied Hydromechanics and Machine and Robot Drive Systems Unit in the Institute of Machines Design and Operation at WUS&T, President of the SIMP Bd. Hydraulic Control and Drive Section, President of the Chamber of Commerce for Components and Technologies.

I met Dr Henryk Chrostowski actually as late as in 1993 after I took over the post of Dean of the Faculty of Mechanical Engineering from Prof. Henryk Hawryluk, inheriting, at my own request, the then Deputy Deans. One of them was Dr Henryk Chrostowski who for the next six years remained my close partner in implementing many innovative ideas for organizing and reorganizing the work of our University's Faculty. Soon the activities were judged to be worthwhile to be implemented in other (mainly mechanical engineering) faculties in the whole country. I shall mention only the most important of the activities:

the annual publication of compendia and catalogues of curricula for all the courses taught at the Faculty;

the development of a complete curriculum for a new field of study, called "Production Management and Engineering", accepted by the Ministry and recommended to all the Technical Universities in Poland;

the completion of the development of the earlier introduced “Automation and Robotics” field of study;

the organization of the first Mechanical Engineering Faculty Deans’ convention in the history of Polish Technical Universities.

The above mentioned and other activities resulted in the recognition of the Mechanical Engineering Faculty at Wroclaw University of Science and Technology as one of the best Faculties in Poland. This work required many new ideas, efforts, convincing many doubters, and above all, knowledge, patience and persuasion and argumentation skills.

Henryk had all these qualities and ideas. He was not only my partner, but also the actual co-originator, and very often the author of many of the ideas and actions. Without His work and ideas that success, talked about at all the Technical Universities in Poland, would not have been possible.

During the six years of the intensive collaboration I got to know Henryk quite well, certainly much better than many of the persons in his professional circle. He was a thoroughly righteous man, having deep knowledge, not only in his engineering profession. He would approach each task with great commitment. It is difficult to characterize such a versatile personality which Henryk had.

Besides great engineering knowledge, He possessed impressive general knowledge in the fields of, e.g., music, history, theatre and fine arts. Henryk showed exceptional commitment to what he was engaged in.

The six year of intensive work, full of mutual understanding, brought us closer together so that without unnecessary declarations we were friends. He never forgot about my name day and other dates important for me. During my 80th birthday celebrations in 2011, organized by the Rector Prof. Więckowski, it was He, Henryk, who presented in words and photographs my life, beginning with my school years.

Henryk would always visit me on all kinds of holidays and he would usually give me an interesting book. During those meetings we would recollect the bygone time of our close collaboration, we would talk about our current life, family and friends. From his frequent, also long, journeys we with my wife would receive from him, and very often also from Ms Jola Szadkowska, many postcards with greetings, often with pertinent comments. Henryk was and remains an important personage in my life, to whom I owe very much.

My great friend, a person who wanted and was able to commit himself, but also a loving person capable of showing others friendship and love, has passed away.

Farewell Henryk

Prof. Jan Koch



Photo 3. Assignment of roles, necessary alterations to curriculum, notes, comments and reflections found outlet through ordinary paper and favourite Pelikan pen – Wrocław University of Science and Technology, Old Boiler House, May 2012.

Natural lecturer with good teaching skills, effective and factual owing to his experience and unusually wide knowledge in many fields, which he imparted to his students with great passion at Wrocław University of Science and Technology and the Vitello State Vocational College in Legnica.

In WVC in Legnica Dr Henryk Chrostowski was employed as senior lecturer on 1 October 2004.

At the Faculty he was the Coordinator of the Curriculum Committee for developing curricula for the Production Management and Engineering field of study: first-level engineer studies – 2004 and second-level MSc studies – 2008.

Took active part in the preparation of plans and curricula for first- and second-level studies in the field of study Production Management and Engineering. Developed curriculum principles and guidelines, took part in the development of a Graduate Profile, designed syllabi for field-of-study courses and the specializations: Renewable Sources Power Engineering, and Automotive Engineering.

Took part in the formulation of a proposal for opening the field of study Test Engineering (engineer studies with dual education elements in collaboration with a German university). Besides presenting a coherent concept of education in the above field of study, a Graduate Profile and having the oversight over the whole relevant documentation, he developed several course syllabi.

He was very much involved in the drawing up of the Self-assessment Report for the (first- and second-level) field of study Production Management and Engineering, submitted to the Polish Accreditation Committee (PAK). Took active part in meetings with PAK representatives during their visit, which contributed to the granting of accreditation to the PM&E field of study.

Organized many educational trips for the Faculty's students to, e.g., the PNEUMATICON Fair of Pneumatics, Hydraulics, Drives and Controls.

In the Education Quality Assurance Team he was the chairman for PM&E. Supervised many engineer's and master's theses. He was an experienced educator, got on well with students. Made good use of his teaching talent not only in classes, but also during his presentations at conferences and seminars.

In recognition of his services for the Vitello State Vocational College in Legnica he was many times rewarded in the years 2005-2016 by the Rector of the College for outstanding achievements in educational and organizational work. In 2010 he was awarded the Honorary Title "Person who rendered great service to the Vitello SVC in Legnica".

In his work Dr Henryk Chrostowski was always an optimist, persistent in pursuing goals. Demanding of himself and others. He was a friendly person, always willing to give advice, especially to young teachers, also genuinely respected by his co-workers. He was very intelligent, but at the same time modest and with a great sense of humour. He loved books, travels and classical music...

Henryk we shall miss You!

Renata Supranowicz

Lecturer at the International University of Logistics and Transport in Wrocław, graduate of the Polish-American School of Business in Wrocław and then co-organizer of the Polish-American School of Business in Cracow and lecturer at both the schools.

I met Henryk in the course of my professional activities. We co-created the Polish-American School of Business at Wrocław University of Science and Technology, and then at Cracow University of Technology. Although we did not conduct classes as part of one session, we would often meet at the openings of successive editions and at their closings during defences of diploma theses. We would also meet during diploma awarding ceremonies in the course of which new students would integrate with the graduates. In Wrocław when conducting an edition's first session devoted to "Introduction to market economy" I would bring the new students to such ceremonies.

During those meetings Henryk always emanated positive energy and would tell numerous anecdotes from his life as lecturer and deputy dean. His favourite dictum was the question: "Do you know it, or lecture on it?". The new students would not at once understand what he meant, it was only later that they would realize that true knowledge can be imparted only by somebody with passion and experience, who every day uses theory in research work and practice. In his habilitation monograph he managed to combine his knowledge of economics with that of mining engineering and mathematics (game theory and optimization), indicating the need for the vertical integration of brown coal mines and power plants, which has been implemented in Poland. Henryk also perceived the need for the integration of different disciplines and so he initiated the creation of the interdisciplinary field of study Production Management and Engineering. My daughter Katarzyna wanted to choose this field of study on the second level of studies, but for formal reasons (no engineering courses on the first level) she could not do it.

I am convinced that everybody who entered into any, private or professional, relationship with Henryk, benefited. It was owing to him that the game total was always positive, because he always gave more than took. He would infect everybody with his passions. It was thanks to him and Jola Szadkowska that after classes in the School of Business I had an opportunity to listen to concerts in the Cracow Philharmonic Hall and it was he who on some occasion gave me an interesting book about the reptile brain which is embedded in each of us.

The Reverend Jan Twardowski was right when he wrote “let us hurry to love people since they pass away so quickly”. Henryk passed away too quickly. I feel that I am indebted to him, similarly as most of the persons he ever met. We have not managed to redress the balance of kindness. Nevertheless, I believe that “the one who is loved will be saved”.

Leszek Jurdziak, Lecturer at Wrocław University of Science and Technology and at Polish-American Schools of Business in Wrocław and Cracow.

Henryk has left us. It came upon us so violently, unexpectedly and irreversibly. I am from the same generation as Henryk and more and more “people of our generation” pass away. It is somehow hard to get used to it. Another good person and friend has passed away for ever.

I cannot remember exactly when I met Henryk. One day I joined his module in the School and so it remained. Year after year we would teach “back-to-back”. I would observe His work with students and His relationships in our school microcosm. Henryk was an exceptionally coherent person. He showed style in everything He did. The same in all spheres of life. He was warm, kind, composed, as well as natural. He had very good teaching skills and would teach exceptionally well. Factually, without showing off. He was always committed and would help effectively. He would bring stacks of books to classes for the students to look through. He would prepare exercises and simulations. He would always exhaustively answer questions on the basis of exceptionally wide knowledge from different fields. He had excellent contact with students. Postgraduate students are eager to learn and know fully well the value of knowledge, but they tend to be demanding, sometimes excessively. Henryk would never show impatience or become discouraged. There are fewer and fewer such Teachers in the whole ecumene of the taught and the teaching. And it is also for this reason that the passing away of Henryk is a loss to us all. Therefore we should remember him, long and with gratitude.

Krzysztof Broclawik, PhD, lecturer at the Polish-American School of Business in Cracow

Since 2003 chairman of the jury at competitions for the best products at the International Gdańsk Fair, the International Katowice Fair HPS and since 2008 at the Pneumaticon International Fair (Kielce Fair).



Photo 4. Opening of International Fair HPS2012 in Katowice (from left: Chairman of Board at FairExpo Fair Centre Piotr Kubica, President of FLUIDAS Petrin Drumea – Romania, President of Chamber of Commerce for Components and Technologies Dr Henryk Chrostowski, Deputy-chairman of FPA Sergei Korniszenko – Russia).

“I do not ask you Lord why you have taken him away, but thank you that you gave him to us”. It was only a few days ago that we with great sadness paid our last tribute to Mr Henryk Chrostowski. One does not speak of the deceased at all or only well. It is difficult to speak of Henryk “only well” since I am at a loss for words to fully describe how wonderful person, friend, adviser, partner in business, teacher he was. We had known each other for only and as many as 20 years, collaborating in the organization of the HaPeS Fair; it is safe to say that Henryk was the “Godfather” of this venture. He would always offer sound advice and help in the organization of the Fair. He would organize the scientific-technical conference accompanying the Fair. Supported us with his knowledge and experience, and even though we would see each other 2-3 times a year, each time I had the impression as if we saw each other on a daily basis. Thanks to his openness, friendly attitude to the people who collaborated with him, acquaintances would become His friends and He their friend, and this was so also in my case. Last Christmas was special – usually we had not sent Christmas cards to each other, neither I to Him nor He to me, but this time it was different: I received a card from Him with a present in the form of a book and I keep asking myself the question: did he want to say goodbye to me in this way? and I neither managed to say goodbye nor thank him enough for collaboration and friendship. THANK YOU HENRYK!

“People live as long as others nurture memories of them, thinking and loving”

Piotr Kubica

Chairman of the Board, Fair Centre FairExpo Ltd..

For longtime and conscientious work awarded: the Gold Cross of Merit, the National Education Commission Medal, the Gold Badge of Wrocław University of Science and

Technology, many prizes of the Minister of National Education, the Senate of Wrocław University of Science and Technology, the Rector, the Dean of the Mechanical Engineering Faculty, and the Director of the Institute.

Author or co-author of 156 papers and 39 unpublished works.



Photo 5. Opening ceremony of Hydraulic and Pneumatic Drives and Controls Conference, this time in natural surroundings and clean air of Szklarska Poręba-Jakuszyce, March 20115.

Our colleague Henryk Chrostowski was a member of SIMP Circle no. 19 at Wrocław University of Science and Technology and of the Hydraulics and Pneumatics S&T Section Wrocław Branch actively engaged in association activities for 40 years. Since 1983 he uninterruptedly sat on the Board of the Section Wrocław Branch, acting as its Vice-chairman in the years 1983-1990 and in the 2006-2014 term. In the years 1984-1990 he sat on the Board of the Hydraulic Control and Drive Section at the Executive Board of SIMP, in the years 1987-1990 acting as its Vice-chairman. In the years 1990-2010 he was the Secretary and since 2010 the Chairman of the Board of this Section.

The stuff of the SIMP Personnel Training Centre in Wrocław got to know Dr Henryk Chrostowski 40 years ago, first as member, then secretary and chairman of the Organizing Committee of 10-20 conferences on hydraulic and pneumatic drives and controls. Every 2-3 years on behalf of the Hydraulics and Pneumatics Section of the SIMP Wrocław Branch, the Hydraulic and Pneumatic Drives and Controls Corporation and Wrocław University of Science and Technology he would with great commitment set goals, develop programmes and lay out thematic blocks for the conferences, always taking care that the predecessors – retired lecturers, specialists the field of fluid technology drives and controls – as invited guests did not lose contact with the community and innovations in the fields which had been their life.

When chairing an event, like a proper presenter he would assign roles and practice the lines to ensure that the whole came out naturally and perfectly. As it tends to happen at big events, sometimes awkward situations would arise in which one could count on his loyalty to his co-workers and on discrete and witty diffusion of the tension accompanying high science.

Henryk Chrostowski, even though at first one might have a different impression, did not treat people strictly officially. In mutual interactions he would show a surprising sensitivity, a broader outlook and attentiveness to others. He would try to get to know the other person's hobbies and often this would end with a nice gift surprisingly fitting to the interests.

He was faithful to his views, could defend them in a cultured, but unequivocal way, sometimes with a note of sarcasm. He was characterized by courage and had his own opinion, regardless whether this was or was not to his benefit.

This is how he is and will remain in our memory: a wise person with broad horizons, who could be relied on.

Recollected by: Irena Dzięgielewska, Katarzyna Gemsa – directors of the SIMP Personnel Training Centre in Wrocław.

Our colleague Henryk Chrostowski through his association activities has significantly contributed to the integration of the Wrocław and all-Poland community in the field of hydraulic drives and controls. He actively took part in meetings and national scientific-technical conferences with foreign guests' participation, organized by the Section for 44 years and by the Wrocław hydraulic engineering community (every 2 or 3 years), repeatedly serving on Organizing Committees, acting as: member, scientific secretary or chairman. As the latter he acted from 1999 to 2016 at 8 consecutive International Scientific-Technical Conferences “Hydraulic and Pneumatic Drives and Controls” – a major forum for specialists in fluid technology in Poland, being a platform for the exchange of ideas and experience by representatives of research and industrial centres. He succeeded in integrating this conference with the HaPeS Fair, conference sessions would be held in industrial plants: PZL-Hydral PLC., Archimedes PLC, WPH Wrocław, Parker Hannifin, Sauer Danfos and Zanam Legmet.



Photo 5. Conference means not only thematic sessions and deliberations, but also accompanying events – excellent opportunity to express thanks to participants, sponsors, organizers and invited guests, here Dr Henryk Chrostowski was, as always, dependable. In photo from left: Dr Henryk Chrostowski, Dr Ryszard Gałąż, Prof. Andrzej Balawender, Dr Paweł Śliwiński., Dr Jolanta Szadkowska, Halina Popczyk – restaurant in Park Plaza Hotel in Wrocław, October 2009.

Our colleague Henryk Chrostowski was a member of the Programme Council of the SIMP Journal “Hydraulics and Pneumatics”, collaborating with its editorial staff and publishing papers on machine hydraulics. He also took part in the development of training syllabi for second- and third-level courses in hydraulic drives and controls, organized since 1972 on the initiative of the Hydraulics and Pneumatics Section Wrocław Branch by the SIMP Personnel Training Centre in Wrocław.

Among the activities integrating the Wrocław community and the all-Poland community one should include Henryk Chrostowski’s participation in the work of the Initiative Group, aimed at establishing a Hydraulic and Pneumatic Drives and Controls Corporation, which prepared materials for the founding meeting on 4 November 1994. In the years 1994-2000 he was a member of the Grievance Committee and since 2000 he has been the Vice-president of the Corporation and the President of the Chamber of Commerce for Components and Technologies.

One should mention His services for the promotion of the achievements of our market on the international scale through the active incorporation of the Hydraulic and Pneumatic Drives and Controls Corporation into CETOP (European Oil Hydraulic & Pneumatic Committee). He was the head of the Polish delegation during the negotiations held in Ljubljana on May 2005.

I vividly remember the day when Dr Henryk Chrostowski for the first time officially took part in a meeting of CETOP – the European Oil Hydraulic & Pneumatic Committee. That was in 2005 during the general meeting of CETOP in Ljubljana – the capital of Slovenia. Dr Chrostowski was the head of the Polish delegation and gave an impressive paper about the Polish Hydraulic and Pneumatic Drives and Controls Corporation, Wrocław University of Science and



Photo 7. Longed-for moment in Dr Henryk Chrostowski’s life and career – congratulations from President of CETOP Amadio Bolzani after favourable vote on admitting Hydraulic and Pneumatic Drives and Controls Corporation as member of CETOP – Ljubljana Slovenia, May 2005.

Technology and about the Polish economy. This address made quite an impression on the participants of the general meeting of CETOP and contributed to the fact that they voted unanimously to admit the Polish Corporation as a member of the organization. Since then Poland has been an active and valuable member of CETOP, highly valued by the other members. This is so above all owing to Dr Chrostowski's commitment to the realization of the European idea embodied by CETOP, to His activities, as well as to His hospitality as the host of the CETOP general meetings in Cracow in 2006 and in Wrocław in 2015. Those were outstandingly successful events, the character of which was decided by Dr Chrostowski's warm-hearted, friendly, obliging personality.

The European Oil Hydraulic & Pneumatic Committee CETOP has lost somebody very important and at the same time a close friend. CETOP will never forget Dr Henryk Chrostowski.

Sylvia Grohmann-Mundschenk

General Secretary of CETOP

Today with great sadness we bid farewell to Him, keeping in memory the moments when we could meet him at the numerous conferences, seminars and discussions on shared topics relating to, among other things, the building of relationships between science and industry.

He impressed us with not only his engineering knowledge and his numerous professional accomplishments and achievements, but also with his vast knowledge in many spheres of life, history, music, theatre, nature and social sciences. He was distinguished by his unusual attitude, always open to others, affectionate and willing to help, warm-hearted, kind and friendly – he saw everyone as a person.

He liked people

Working in such a peculiar business as the fair industry I meet many persons. Some turn up for only a few conversations, while others stay with us longer. Henryk certainly belonged to the latter group. For many years together with us he would prepare fairs in the business he knew like no one else. It was his fervour and enthusiasm which drove us forward, and his professionalism enabled us to solve problems.

Henryk had one more characteristic, which was for us, for me, the most important – He simply liked people, people with all their shortcomings. One could feel it at every step.

Darek Michalak

Kielce Fair, Director

In this way we extend our deepest sympathies to the Family, friends and co-workers of the late Henryk, who will forever remain in our memory.

Why? Why such a hurry? Who or what has made you feel sad? Henryk has been one of my dearest friends, although we met in adulthood. I have always esteemed his seriousness, education and patriotism. He loved his country and made myself love Poland, too, and better understand my own country. In these moments I can only promise that for me Henryk Chrostowski will remain a great friend.

Dr. Petrin Drumea, *President of National Professional Association of Hydraulics and Pneumatics in Romania–FLUIDAS; Hydraulics and Pneumatics Research Institute INOE 2000-IHP, Bucharest, Romania*

I have met Dr. Henryk Chrostowski on occasion of the scientific events held in Romania and Poland. Through all his deeds and acts, he was a leading example for those he was communicating or collaborating with. Through his remarkable professional and scientific achievements he will always be present in the memory of my colleagues at Politehnica University of Timișoara, Chair of Hydraulic Machinery.

Prof. Ilare Bordeasu, *Politehnica University of Timișoara, Romania*

With sorrow in our hearts and sadness in our souls, we have received the announcement about passing away of our great Polish friend, Dr. Henryk Chrostowski, an European level expert, whom us in ROMANIA have admired and valued very much for his expertise and deep knowledge on the evolution of Fluid Power field, both on the European and global level.

I, personally recall with great pleasure the moment when I met him for the first time; it was in POLAND, in KRAKÓW, in 2008, on occasion of 5th FPNI-PhD Symposium, Dr. Chrostowski being accompanied by Dr. Krzysztof Kędzia. Since that moment we met for a couple of times, either in POLAND, at conferences organized there, or in ROMANIA, at several editions of HERVEX Conference, each time the moments we spent together being very pleasant and special moments.

Last time we met in ROMANIA, at the Conference on Hydraulics and Pneumatics HERVEX-2016, held on November 9-11, Dr. Chrostowski being accompanied by Dr. Krzysztof Kędzia, Dr. Jarosław Prokopowicz and Dr. Cornel Calomfirescu. We have spent together very beautiful and pleasant days, and I, personally remain with the satisfaction that I have discussed with him a lot, maybe more than ever.

I will never forget the moment when the group of our Polish friends, led, as always, by Dr. Henryk Chrostowski, toasted and sang a song of homage to the Polish state, to celebrate November 11 -**Polish National Independence Day (Narodowe Święto Niepodległości)**- independence regained in 1918- which is **Poland National Day**. It was a sublime, touching moment, which the persons who were there, eyes tear-filled, have applauded for a long time.

We are beside his family and friends in these days of sorrow, sharing the pain, with promise that Dr. Chrostowski will remain in our hearts and memories, for as long as we live.

Although words, faced with the pain, are powerless, I would like to send to the mourning family and his close collaborators our heartfelt sorrow and condolences and our Christian prayer (requiescat): May God forgive him and make him rest in peace!

We will never forget him! Heartfelt condolences!

Dr. Corneliu Cristescu, *Hydraulics and Pneumatics Research Institute INOE 2000-IHP, Bucharest, Romania*

It is hard for me, terrible hard, to write about a great person whom I personally knew exclusively on occasion of the scientific debates taking place in the framework of scientific conferences held in our mutual professional field. Even so, I could not help but notice the

seriousness and devotion behind his lectures, which were structured flawless, I would say. Moreover, Dr. Chrostowski was a warm, open and friendly person, telling well-targeted jokes, to relax or focus the audience.

We will always miss this “giant”, both literally and figuratively, kind person.

May God rest his soul in peace!

Dr. Gabriela Matache, *Hydraulics and Pneumatics Research Institute INOE 2000-IHP, Bucharest, Romania*

I have had the great chance of meeting the now much regretted PhD. Eng. Henryk Chrostowski in international conferences on Hydraulics organized in Romania and Poland, and also at the Institute in Wroclaw. He has been a specialist with great expertise in his activity field, extremely open to the future, agreeing to and promoting innovative technologies, concepts and ideas, also from connected areas, which led to his modern achievements with broad applicability. I have met a cheerful and optimistic person, who had great love for his native country, Poland. May God rest his soul in peace!

Prof. Erol Murad, *Politehnica University of Bucharest, Romania*

Since 2008, I have had the opportunity to meet Dr. Chrostowski, both as a specialist in hydraulic drives and as a person with broad education in history and civilization. He knew and used to communicate great many things, still always eager to discover new things, so he turned his visits to Romania in good opportunities to gain new knowledge. He has been one of the most regular participants in the meeting organized by us, here in Romania, in the field of Fluid Power, always ready to give a helping hand to the organizers, and in Poland he has been a perfect host. No matter where we met, I was looking forward to his presentations and also informal discussions with him, each time with great pleasure, as each time I knew I was going to learn something new.

Life goes on, naturally, but we will always miss him, both in Poland and here in Romania.

Dr. Cătălin Dumitrescu, *Hydraulics and Pneumatics Research Institute INOE 2000-IHP, Bucharest, Romania*

I met Dr. Henryk Chrostowski for the first time few years ago, in Kielce International Fair. Apart from his professional qualities, I have greatly esteemed his human being quality. When I told him I was coming from behalf of Mr. Director Drumea, he did not know what to do more to please me. Although he was one of the main organizers of the event, I felt him neglecting all other guests to my favor, an insignificant person compared to the personalities being present there. I still wonder today if I owed hospitality showed by Dr. Chrostowski to his good friend, Dr. Petrin Drumea, or he behaved like that with all Romanians. Later I convinced myself that both explanations were valid.

I met him for the last time in Hervex-2016 International Conference, at Băile Govora, Romania -the same energetic, friendly and humorous person. At the end of the conference, I remember him saying, referring to the Romania-Poland football game which was scheduled to be played the next day: “I hope with all my heart to be an equal score. But please, do not get upset with me if we will win the game by 3:1!” And so it was!

All of us were shocked by his sudden disappearance! He has been a great patriot, but also loved Romania!

I am sure that there where he is now, in Heaven, he will make friends who will enjoy his qualities.

I am glad I had the privilege to know him and I terribly regret him pass away!

Dr. Teodor Costinel Popescu, *Hydraulics and Pneumatics Research Institute INOE 2000-IHP, Bucharest, Romania*

Professor Henryk Chrostowski, PhD. eng. has been a great promoter of Fluid Power development on European level, advancing the integration of applied university research in Fluid Power by direct collaboration with Polish manufacturers of hydraulic parts, with research Institutes, as IHP-Bucharest and Poltegor–Wroclaw, with European (CETOP) or national (FLUIDAS–Romania and AHP-Moscow) level professional associations.

Professor Henryk Chrostowski has been, as part of The Institute of Machine Building and Operation in Wroclaw University of Technology, a mentor for students, PhD students and specialists at national and European level in Fluid Power activities regarding hydraulic equipment analysis and synthesis, hydraulic design and simulation of dynamic systems.

Professor Henryk Chrostowski has been our close friend; with great generosity he has facilitated effective collaboration between Fluid Power companies, institutions, specialists in Poland and Romania, attending the HERVEX conference edition by edition, and getting involved in European level international collaboration close beside representatives of FLUIDAS, bringing his great support in promoting and developing the Fluid Power industry, education and research in the field.

We will keep in our hearts a vivid memory and gratitude in response to his generosity offered to us all.

Prof. Constantin Chiriță, *"Gheorghe Asachi" Technical University of Iași, Romania*