

IN MEMORY OF JEAN DÉLERY 60 years of service to aerodynamics







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M. Jean Délery (OA) a recu le prix

"Montyon" pour l'ensemble de ses travaux

sur les écoulements décollés turbulents.

Problèmes d'optimisation d'arrière corps à double Flux.

Recollement d'un jet supersonique de révolution sur une paroi

Etude du recollement d'un Jet Supersonique de révolution sur u

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DELEG Jean Délery had been awarded the Monthion Prize from the Academy DÉLEROF Sciences for his entire body of work on turbulent detached flows: transci

DÉLERHe was Knight of the National Order of Merit, Knight of the Palmesh transsor

DÉLER Académiques, emeritus director of research at ONERA, emeritus mite turbule

Emember of 3AF, and Associate Fellow of the American Institute of

Aeronautics and Astronautics (AIAA) after receiving the prestigious

Aerodynamics Award from the AIAA in 2004.

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CONFIDENTIEL INDUSTRIE. Charges aérodynamiques de quelque DÉLERY Jean M. CONFIDENTIEL INDUSTRIE. Mesure des fluctuations de pression



Jean Délery passed away suddenly on 6 December 2022 at the age of 83. After 40 years spent at ONERA, he had been chair of the 3AF Aerodynamics Technical Commission for 20 years. His passing is a great loss for the aeronautics community, to which he contributed so much over a 60-year career.

In 1962, Jean Delery graduated with distinction from the prestigious National School of Aeronautics (SupAéro). In 1964, he joined ONERA (the French Aerospace Lab) as a research engineer at the Meudon center and in 1982, he became Head of the Fundamental Aerodynamics Division. In 1996, he was appointed as Director of the Fundamental and Experimental Aerodynamics Department (DAFE), which encompasses all the aerodynamic activities of the ONERA center at Meudon, with a battery of wind tunnels ranging from the low subsonic to the hypersonic.

During his career, he participated with brio in basic research in the major aerospace programs of the second part of the twentieth century in both military (strategic and tactical missiles and combat aircraft [Rafale]) and civil fields (transport aircraft [Airbus] and launch vehicles [Ariane]).

As a high-caliber researcher, he published many internal reports as well as articles in prestigious peer-reviewed journals.

ONERA's archives contain about 200 documents which he authored or co-authored. He also published reference books on compressible aerodynamics, experimental methods, and wind tunnels.

In addition to his research activities, he also pursued a sustained teaching activity. He was Professor of Aerodynamics at SupAéro, Associate Professor at Versailles Saint-Quentin University in Yvelines, as well as lecturer at EPF and at Rome's La Sapienza University.

Upon his retirement from ONERA in 2004, Jean Délery fully invested his efforts in the 3AF Aerodynamics Technical Commission. It was then that I joined 3AF to continue working with him. He had hired me 20 years earlier and I am very grateful to him for all the invaluable help he gave me, as supervisor of my thesis,

since this was a man who was always passionate about passing on his knowledge.

Later, in 2003, Jean suggested that I take over as Associate Professor at Versailles Saint-Quentin-en-Yvelines University. He then handed over to me with great generosity all the teaching materials he had prepared with the thoroughness and attention to detail that was his trademark. Jean really did have an innate desire to pass on knowledge and was always keen to promote teaching aspirations within his department. His many scientific works are also testament to his tireless activity in training young people in aerodynamics.

Thanks to his energy, the annual symposium of Applied Aerodynamics became a major international symposium, with more and more participants each year. He had managed to attract more than 70 French and foreign personalities to the committee. Although not everyone came along every time, the quarterly meetings of the committee were a lively affair due to the large number of participants. His authoritarian facade concealed a great deal of kindness towards everyone, and nobody could fail to see it. His guidelines were always followed because they were thoughtful and constructive.

For more than 10 years, Jean took part diligently in the work of the editorial committee for the 3AF Letter, critically reviewing all the articles proposed, for both form and content. He was considered by his committee colleagues to be an outstanding reviewer. For their part, the authors were delighted with the suggestions he made, as these always helped to improve their contributions. He was also recognized by scientific publishers and carried out numerous expert appraisals for prestigious journals.

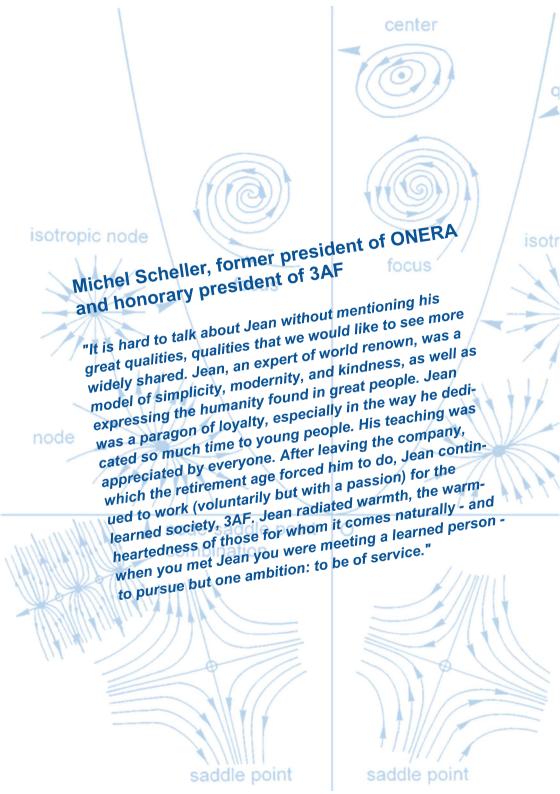
Jean will be sadly missed by all his family and friends.

Bruno Chanetz

President of Alumni-ONERA, former president of the 3AF High Scientific Council and of the 3AF Letter editorial board

DÉLERY Jean M./CAMBIER L. Etudes expérimentales et théoriques de l'interaction onde de ch BENAY Richard/DÉLERY Jean M. DIFFUSION RESTREINTE, Méthode de calcul du recollement d'un jo DÉLERY Jean M Shock-wave/turbulent boundary-layer interaction and its control. 3AE ce m hree dim Mod opulsés Vali **Topologie** Patrick Gilliéron · Patrick Gnemmi · Erwin R. Gowree · Philippe Perrier Etuc des écoulements les in Experimental tridimensionnels Aérodynamique décollés Aerodynamics l'écou anssoni expérimentale inter Val raction o DÉLERY Pred Jean Délen rtex REIJASSE P./BENAY Richard/DÉLER Prévision des écoulements au culot de missiles ou de projectile DÉLERY Jean M. lements tourbillonnaires effectuées REIJASSE P./BENAY Richard/DÉLER lot de missiles ou de projectile CHANETZ Bruno/DÉLERY Jean M nt turbulent sur un ellipsoïde DÉLERY Jean M. ck-wave/turbulent bounda REIJASSE P.R./BENAY Richard ction by multi-component DÉLERY Jean M. layer interactions in hype REIJASSE P./DÉLERY Jean M. rimentale de l'écoulemer DÉLERY Jean M. arrières corps STALTER M./DÉLERY Jean M. couche limite turbulente sur DÉLERY Jean M. Propriétés physiques des interactions DÉLERY Jean M. group AG09 on "flow past missile after DÉLERY MOLTO POT T./ REIJASS BOSCHER D./BAUDOUY B./DEOM A Infrared thermography characterization of Görtler vortex type pat REIJASSE P./DÉLERY Jean M. Investigation of the flow past the ARIANE 5 launcher afterbody. DÉLERY Jean M. Aspects of vortex breakdown





Some testimonials from former PhD students trained at ONERA

"I had the privilege of having him as my thesis director, in short he taught me how to become an aerodynamics engineer. But, above all, it is his human qualities that I will remember him for."

Alexis Bourgoing, ARIANEGROUP

"I was lucky enough to cross his path in Meudon. He has engraved his name in the world of aerodynamics. " Benjamin Deveaux, EUROCFD

What I will remember of him is an exceptional teacher, only too happy to pass on what he knew to young people, and an older gentleman who addressed me as a peer, and whose sense of humor I appreciated."

Bruno Mangin-Birrer, DASSAULT AVIATION

"I will cherish a pleasant memory of a good person and a leading scientist who remained accessible to everyone."

Florent Renac, ONERA

"I had the great good fortune of being alongside Jean Délery for most of my career at ONERA. Jean provided his expert advice to the entire world of aeronautics and aerospace with exceptional pedagogy. For several generations of aerodynamicists, he was one of our best teachers and advisors."

Philippe Reijasse, ONERA

"Jean Délery had a huge impact on my life and changed the course of my fate significantly. Thanks to his warm welcome at ONERA and his encouragement to pursue a PhD at Paris VI, he opened the door for me to opportunities that I could never have imagined coming my way." Tony Mitchell, ex-US AIR FORCE



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