

Ecole Internationale Daniel Chalonge



The Daniel Chalonge Medal 2013

has been awarded to Gerard Gilmore

The International School of Astrophysics "Daniel Chalonge" has awarded the Daniel Chalonge Medal 2013 to **Professor Gerard F. Gilmore** from the Institute of Astronomy, University of Cambridge UK and Fellow of the Royal Society, for his relevant results in the study of our galaxy and dwarf galaxies with great scientific impact on the nature of dark matter, a major subject at the center of the Chalonge School programmes. His successful effort in promoting and leading key missions and collaborations is also highlighted.



The medal was awarded to Gerard Gilmore in recognition to his work on the precision study and clarification of galaxy structure deeply discussed in the International School of Astrophysics D. Chalonge. Gerard Gilmore is lecturer from

many years in several colloquia of the School and contributes to it with scientific research, projects and formation of physicists and astrophysicists over the world.



The Daniel Chalonge Medal was designed by the noted french sculptor and artist painter Madeleine Pierre Quérolle and coined by the Hôtel de la Monnaie de Paris (the French Mint) for the Chalonge School. The first side of the medal shows Daniel Chalonge's portrait. The reverse side is composed of two scenes: the upper half depicts the mirror of a telescope on which a part of the Milky Way and the Orion constellation is reflected. The lower half depicts the French Alps and the "Pic Chalonge", (the mountain, 3343 m height, named after him).

With the Chalonge Medal, the International School of Astrophysics Daniel Chalonge confirms its great appreciation to Professor Gerard Gilmore, his precision study of our galaxy and his contribution to the Chalonge School.

A surprise Award

The Chalonge medal is a totally surprise award. The medal was presented to Gerard Gilmore on the 26th July 2013 during the last and open session of the 17th

Paris Cosmology Colloquium 2013 at the Paris Observatory (Observatoire de Paris), in the presence of many distinguished and renewed scientists, among them two Daniel Chalonge medals laureats , and very important personalities from the world over.



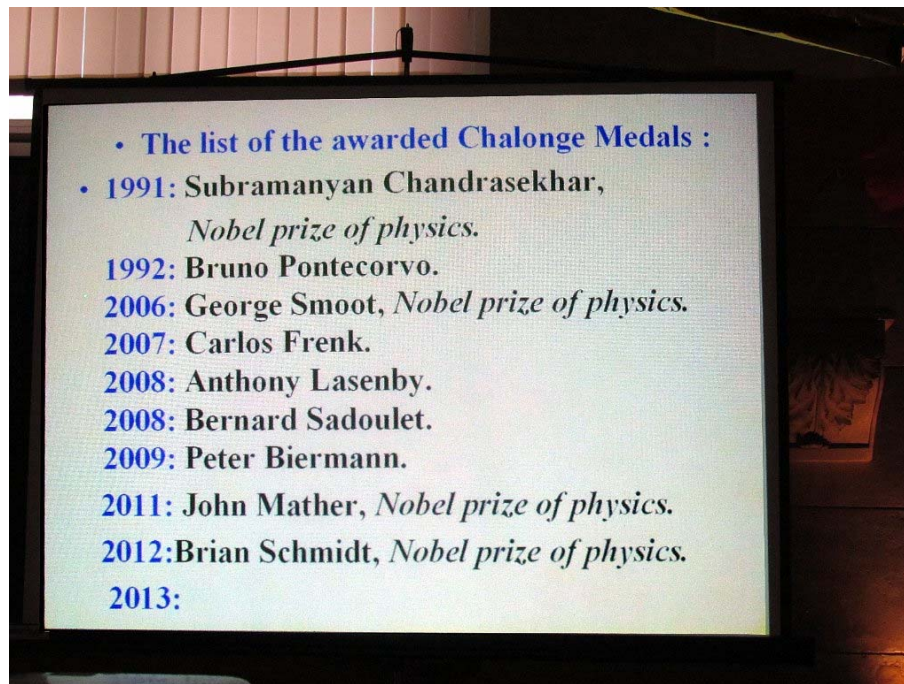
Gerry Gilmore expressed “I can confirm the medal was a totally surprise to me”.
We are then all happy the event successfully attained the objective.



Ten Chalonge Medals awarded in the 22-year school history

The first medal was awarded in 1991 to astrophysicist and Nobel prize of Physics Subraman yan Chandrasekhar (1910-1995), who was a great friend of Daniel

Chalonge and delivered the school's inaugural lecture in 1991 “Daniel Chalonge and the Problem of the Abundance of the Hydrogen”. The second medal was



awarded in 1992 to the distinguished high-energy physicist Bruno Pontecorvo (1913-1993), a pioneer of neutrino physics, including neutrino oscillations and “sterile” neutrino, and a major participant and supporter of the school. The third medal was awarded in 2006 to cosmologist and Nobel prize of Physics 2006 George F. Smoot, who is at the Chalonge School since its creation. George Smoot has the original copy of the medal: The noted french sculptor Madeleine Pierre Quérolle who designed the medal, today aged 97 and always active in her Parisian workshop, offered her own original medal for the third award presentation to George Smoot. Motivated by the Nobel prize of Physics 2006 and the success of the Chalonge School, the French Mint coined in february 2007 exclusively for the Chalonge School a second limited edition of the medal. This made possible the presentations of the Medal since 2007.

Science with great intellectual endeavour and a human face. True and healthy science. Outstanding scientists who are gentlepersons. Scientists recipients of the Daniel Chalonge Medal are Ambassadors of the School.

Daniel Chalonge

The School is named after the pioneering French astrophysicist Daniel Chalonge (1895-1977) for his work in experimental and theoretical astrophysics. Precursor in France of the introduction of modern physics in astronomy, stellar spectroscopy and stellar and atmospheric spectrophotometry, he worked on the conception and construction of new instruments like the hydrogen tube, the spectrographe to reach the far ultraviolet spectra and the microphotometer named after him. He was a personality of his time, one of the founders of the Institut d'Astrophysique de Paris. He was at the center of international colloquia being great friend and colleague of S Chandrasekhar, Zwicky, Ambartsumian, Blackett, Oort, and many others. He worked at the Observatoire de Paris, at the Observatoire d'Haute Provence, and at the Jungfrauoch Scientific Station in Switzerland, where particle physics experiments (such as the Manchester-Cern collaboration) were performed.



Congratulations

Scientists from over the world participated to the event and congratulated Gerard Gilmore for being awarded with the Daniel Chalonge Medal. With the Chalonge Medal, the International School of Astrophysics Daniel Chalonge confirms its great appreciation to **Professor Gerard Gilmore**, the scientist and the human person, and his contribution to the School.



The 17th Paris Cosmology Colloquium 2013
<http://chalonge.obspm.fr/colloque2013.html>

Gerard Gilmore's Lecture 2013 http://chalonge.obspm.fr/Paris13_Gilmore.pdf

Photo Gallery <http://chalonge.obspm.fr/album2013/index.html>

Programme 2013 <http://chalonge.obspm.fr/Programme2013.html>

The Chalonge Medal http://chalonge.obspm.fr/Archives_Daniel_Chalonge.html

The Chalonge School <http://chalonge.obspm.fr>