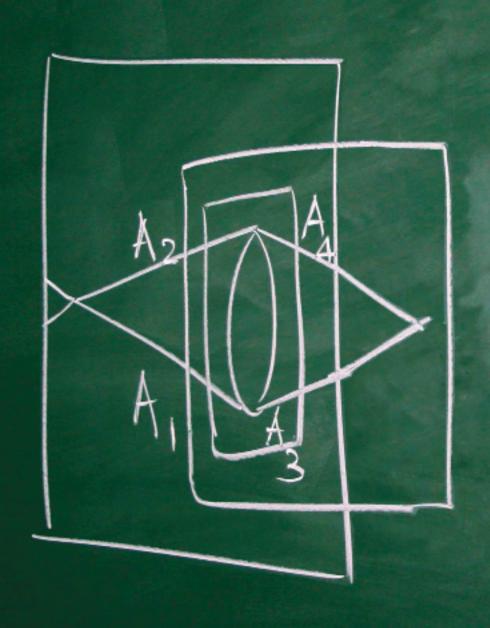


The 50th Anniversary Campaign 2008 - 2011





AT FIFTY, THE INSTITUTE LOOKS AHEAD

As soon as World War II ended, Léon Motchane, a visionary with a passion for science, formulated the idea of creating in France an institution in which exchanges between mathematicians and physicists, insufficient at that time in Europe, could flourish at the highest level.

1958 was the year that saw the birth of the Institut des Hautes Études Scientifiques (IHÉS), after Léon Motchane had gathered support and obtained advice in France and elsewhere, especially in the United States. Special mention should be made here of the very positive welcome he received from Robert Oppenheimer, then director of the famous Institute for Advanced Study in Princeton, which served as a model for IHÉS; this consisted in nurturing a very open and constantly renewed community across disciplines, around a small core of exceptionally talented researchers.

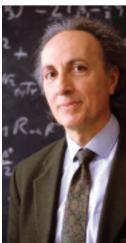
The Institute grew, the only one of its kind in Europe at the time, thanks to the determination of its founder, who was able to attract amazing scientists straight away. It was first located in two small borrowed rooms in Paris, then in the lovely grounds of Bois-Marie in Bures-sur-Yvette. There, those thinkers wrote groundbreaking chapters of scientific history, creating a reference point in the search for excellence and original thinking, which has been maintained to this day. Although IHÉS has stayed deliberately small in size, the influence of its researchers has made it a focal point on a global scale for theoretical science.

The campaign of the fiftieth anniversary has enabled the Institute to acquire financial means to passionately pursue the ambitious work of its founder and to continue and contribute substantially to clearing new areas of knowledge freely.

















As head of an international organisation, the success of which depends on exceptional skills in advanced technologies, I can vouch for the strategic role played by scientific research, in particular in physics and mathematics, each and every day.

It was natural for Schlumberger to engage with IHÉS, standing as the Institute does at the very highest level in the world of fundamental research in these areas, and this for a number of years now.

I was very happy to be associated with this new campaign, a key one for the Institute's future, and thus destined to have an impact on the international scientific community.

That campaign, conducted over several continents, became an opportunity to highlight the importance of supporting institutions like IHÉS, and to have many partners who contribute actively to defending this cause.

The IHÉS 50th Anniversary Campaign was an essential phase in the development of this institution. Fifty years ago, Léon Motchane founded IHÉS, inspired by the Institute for Advanced Study in Princeton. Today, it ranks at the highest levels in mathematics and theoretical physics research. The reputation of its permanent professors, the high

level of its conferences and summer schools, the diversity and calibre of the many researchers who come from all over the world to work there, all bear witness to

this. They all talk of their time at IHÉS as an important step in the advancement of their work, thanks to the prolonged and informal interactions made possible on the Bures-sur-Yvette campus.

This successful Campaign gave IHÉS the means to achieve an ambitious development programme. The funds raised will enable the consolidation of financing for Chairs, the broadening of work beyond the frontiers of mathematics and biology, the increase in the resources for accommodating researchers, in a word, to be in a better position to measured against the competition.

Andrew GOULD Co-Chairman of the campaign

André LÉVY-LANG Co-Chairman of the campaign



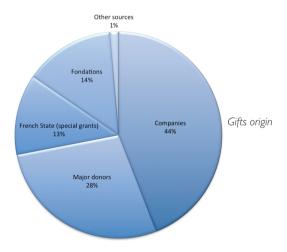
THE 50TH ANNIVERSARY CAMPAIGN

The campaign of the fiftieth Anniversary took full advantage of the 2008 Jubilee and exceeded its initial target of 20 million€ in February 2009. Supported by an active Campaign Committee, the Institute convinced many partners to make major gifts to its endowment ensuring the sustainability of the Institute.

For this project, IHÉS has already gathered a large number of supporters, who appreciate the beauty of theoretical science, especially mathematics and physics, and who are conscious of its status as the cornerstone for all other sciences. For this, IHÉS offers most grateful thanks.

Key figures

With almost 24 million euros collected between 2008 and 2011, IHÉS Campaign was a success beyond expectations.



A tremendous generosity

A record gift of 6M€

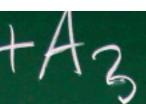
Six companies and Foundations involved in projects over 1 M€

Constant efforts

A prestigious Campaign Committee A professional team fully committed

A successful mission

Nearly a quarter of the gifts from abroad Nearly 80% of the gifts to reinforce the Institute's endowment



REALISATION # I LAUNCHING NEW RESEARCH ACTIVITIES

Schlumberger Chair for amthematical sciences at IHÉS

As a member of the Board since 2003, Schlumberger is an historic partner of IHÉS and one of its major donators. The creation of this Chair at IHÉS in November 2006 is motivated by common interests. The aim of this Chair is to conduct research and exchange of views on theoretical topics arising from problems encountered in technological domains.



Philippe LACOUR-GAYET vice Président, Chief Scientist

Mathematics plays a key, but often underestimated role in technological innovation. Mathematicians' recent discoveries allow us to hope that many problems encountered in technology will find new solutions and that these problems will, in turn, inspire mathematicians with original developments in their science. It was with this in mind that Schlumberger created the "Schlumberger Chair for Mathematical Sciences" at the Institut des Hautes Études Scientifiques. IHÉS is one of the best mathematics research centres in the world, and Schlumberger is happy to support an institution of exceptional quality located in France.

Simons Funds for biology

Research activities at the interface between biology and mathematics began in 1997 at the initiative of Mikhail Gromov, an IHÉS permanent professor at IHÉS. In order to sustain this research activity at IHÉS, the Institute created a permanent Fund, dedicated to supporting research focusing on the use of mathematics to gain a better understanding of biology.

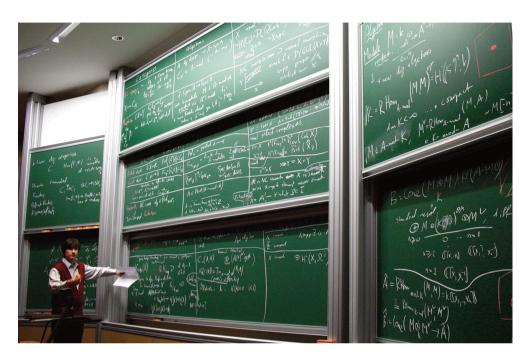
The first mystery in the world is that of the nature of physical laws. (...) The second mystery is that of life. (...) The third mystery is the function of the brain. (...) The only way to represent any of the three structures in a format comprehensible to the human mind (brain?) is to construct mathematical models.

Almost all we see in mathematics today has evolved under the influence of the first of the three mysteries. Mathematicians keep searching for the ultimate symmetry of the universe projected onto the human reasoning. But nothing like that has ever helped in elucidating the structures of life and of the mind (brain). And here the fourth mystery comes in, the mystery of mathematical structure. Why and when does it appear, how can we model it and how does the brain manage to create it out of the chaos of the external input?

From *The Unravelers*, a book by Jean-François DARS, Annick LESNE and Anne PAPILLAULT, published by A.K. Peters, Ltd. - Extract from a text by Mikhail GROMOV.

REALISATION #2 SUPPORTING SCIENCE AT ITS HIGHEST LEVEL

The AXA Chair of Mathematics at IHÉS



IHÉS is a fantastic place, one of the two best in my profession. Freed from most of the usual pressures of academic life, I can concentrate entirely on the research topics of my choosing.

Maxim KONTSEVICH

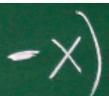
The first Endowed Professorship, the Mathematical AXA Chair at IHÉS was created in 2008 thanks to the AXA Research Fund. With this support, AXA contributes to the development of fundamental research, key to innovation and links its name with the excellence of French mathematics.

Holder of the Chair is Maxim Kontsevich, a mathematician and IHÉS permanent professor, recruited in 1995 at the age of 33. Professor Maxim Kontsevich has opened up radically new perspectives in string theory through his work at the intersection between pure mathematics and theoretical physics. The richness and depth of his work has been recognised internationally in many different ways, in particular through the award of prestigious prizes: he received the Fields medal in 1998.

Advanced study programme

The 50th Anniversary Campaign funded the « Summer Schools », a programmes of advanced study for young scientists from around the world, who are specialised in work related to fundamental research in mathematics, theoretical physics and biology.

Their aim is to provide future researchers with high level training on topical scientific subjects and to promote collaborative working among young scientists.



Endowment Funds for visiting professors

Asian Visitors Funds

Hosting Asian visitors was the geographical priority of the Institute and among the great success of this campaign. The Japan Fund provides funding since 2009 for Japanese researchers at the Institute, while the Chern Fund (China) continues developing the Sino- French cooperation.

Jean-Paul Gimon Chair

Created during the first campaign of the Jean-Paul Gimon Chair, supports young researchers since 2006. The 50th Anniversary Campaign has strengthened this endowed Fund launched in homage to Jean-Paul Gimon, a former member of IHÉS Board of Directors.

Pierre Bonelli Chair

Created during the first campaign of the Institute, in honor of the former member of the Board of Directors and passionate about mathematics, the Pierre Bonelli Chair supports mathematicians research visits. Fundraising efforts of the Chair Support Committee was crucial in developping the endowment.

REALISATION #3 IMPROVING THE HOME OF RESEARCHERS

Thanks to the generosity of its donors, IHÉS was able to pursue the renovation of the Ormaille residence, which hosted visiting researchers. This hosting capacity is absolutely critical to the mission of the Institute dedicated to the mathematical community.





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Gift over 5 M€

Simons Foundation

Gift from 1 to 5 M€

Fonds AXA pour la Recherche Schlumberger Caisse des Dépôts

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Fondation européenne pour les énergies de demain

Saint Gobain

Société Générale

SIMONS FOUNDATION















Gift from 100 k€ to 999 k€

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GDF

Nippon Information Industry Corp.

Huawei Technologies France

Conseil régional lle de France

Total

Ministère de l'Economie et des Finances

Florence Gould Foundation

Brin Foundation

The William and Flora Hewlett Foundation

Flora Family Foundation



An endowment fund will assure IHÉS permanence while giving it the financial stability to operate its exceptional programs with consistency. In recognition of this need, we have committed our support to this fundraising campaign, part of which will serve to stabilize the institute's activity at the interface with biology. Hopefully others will join us too, as we endeavor to assure the viability and continued growth of one of the world's finest scientific institutions.

Bon Anniversaire IHÉS!

Sincerely,

"

Marilyn et James SIMONS

Gift from 15 k€ to 99 k€

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🂶 🕒 Industrialists need to be vigilant as to the promotion of and regard for fundamental research, as well as to its methods and results. Major research centres like IHÉS are the places where the keys to

deciphering the world are forged, and where forces

interacting with the productive world can lead to the

KAC Victor

lean-Louis BEFFA,

CEO & President, Saint-Gobain

birth of technologies.

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SAD Paulo

🕻 🔓 Since I have become involved in the IHÉS Japan Fund, the important role that mathematics plays in modern life and production activities has become ever more apparent to me.

We must protect mathematics as part of our intellectual environment as much as we feel responsible for the protection and recovery of the natural environment.

Fujio CHO

TOLEDO Domingo

Chairman, Toyota Motor Corporation Chairman, The Committee of the IHÉS Japan Fund

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GIVING THE INSTITUTE FURTHER MOMENTUM



Financing IHÉS is a long story, but not really a smooth ride. The French State, its help dating from just a few years after the Institute's creation, supports the Institute faithfully and substantially, and ensures that its scientific

activities undergo salutary scrutiny. This does, however, leave IHÉS management the task of securing half of its resources from outside national public funds.

Pressure is made all the heavier by the fact that, apart from a dozen foreign institutions with regular evaluation procedures, other funding sources, especially those from private companies or foundations, tend to come from personal high level contacts that can be volatile.

Because of the unstable nature of certain sources of financing, the Board of Directors decided in 2000 to adopt a more pro-active approach and to develop hitherto almost non-existent endowment funds.

That is how the idea for the international fundraising campaign, "invest in the power of the intellect", came about. The campaign was conducted between 2001 and 2004 and was a success and paved the way for greater financial stability.

Fresh impetus was provided by the coming 50th anniversary, and the idea of launching the 50th Anniversary Campaign took hold.

This document has detailed the results of this wonderful adventure, that has carried high hopes for the development of IHÉS. The collecting of 24 million euros, including more than 18 in endowment funds, enabled IHÉS to reach a critical threshold in securing the financing of its activities and feeding research.

A huge thank you to all our donors who remarkably contributed to the success of the 50th Anniversary Campaign!

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SERVICE OF DEVELOPMENT

