

THE PATRONAGE COMMITTEE

The patronage committee was initially formed under the chairmanship of the late Jean-Pierre Kahane. It has developed with Cedric Villani's support, awarded the Fields Medal in 2010. Various leading figures form the committee such as :

Jacques BIOT, chairman of the École Polytechnique,
Sylvain BOULEY, planetologist,
Emmanuel CANDÈS, University of Stanford,
Claude COHEN-TANNOUJDI, physics Nobel prize,
Michel DEWACHTER, egyptologist,
Jean DHOMBRES, mathematician and science historian,
Guy FERREZ, Mayor of Auxerre,
Patrick FLANDRIN, member of the French Academy of Sciences,

Etienne KLEIN, physician and science philosopher,
Guillaume LARRIVE, French deputy from the Yonne department,
Amin MAALOUF, member of the French Academy,
Marc MEZARD, head of the École Normale Supérieure,
Mohamed NAJIM, Live-IEEE Fellow, awarded a TWAS Engineering Medal awarded the TWAS prize in 2011,
François PATRIAT, French senator.

I MAKE A DONATION

The CCSTI en Bourgogne is a French association (Loi 1901)



I make a donation of ___ €//\$ in order to help us raising Joseph Fourier's statue.

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- I authorize the CCSTIB to publish my name in the honorary list of the donators.
- I want my name to stand on the statue (for the donations > € 5,000 / \$ 6,000).
- I wish to come to the inauguration of the statue.

Please send this coupon to the CCSTIB, Maison Régionale de l'Innovation, 64 A rue Sully CS 77124 - 21071 Dijon Cedex, France.

Thank you to write your cheque payable to the CCSTI de Bourgogne or to proceed to a bank transfer to the CCSTI de Bourgogne (IBAN : FR 76 4255 9000 1521 0297 8460 138 - SIREN : 401 830 310).

E-mail address : contact@ccstib.fr

For further information on Joseph Fourier, scan this QR code with a scanner application on your smartphone. Otherwise, go to <http://www.ccstib.fr/joseph-fourier/>



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$$\int_{-\infty}^{+\infty} f(x) e^{-2\pi i x} dx$$



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WHY JOSEPH FOURIER ?

Now known as one of the greatest names in Science, Joseph Fourier was a member of the French Academy of Sciences, the French Academy as well as the British Royal Society. He was not only a scientist but a role model that we can be proud of ! His scientific legacy is universal and ubiquitous, one that we can call upon both basic and applied research.

He was born in Auxerre in 1768 and descended of a modest family. He was left an orphan at the age of 10. He was taken by an organist, then raised in the military junior high school of Auxerre. He went back there in 1785 as a teacher and decisively took part in the Revolution within the Société Populaire d'Auxerre (a local political club with revolutionary ideas). In 1793, when 300,000 men were levied, his oratory skills caused so many

The 250th anniversary of Joseph Fourier's birth was added to the French national commemorations of 2018 by the High committee, chaired by Mrs Danièle Sallenave, member of the French Academy.



ONE OF THE GREATEST NAMES IN SCIENCE

« Fourier is kind of a common name and noun, for all the scientists and engineers, from structural genomic to telephony. »

Extracted from *Le retour de Fourier* by J. P. Kahane, French Academy of Sciences

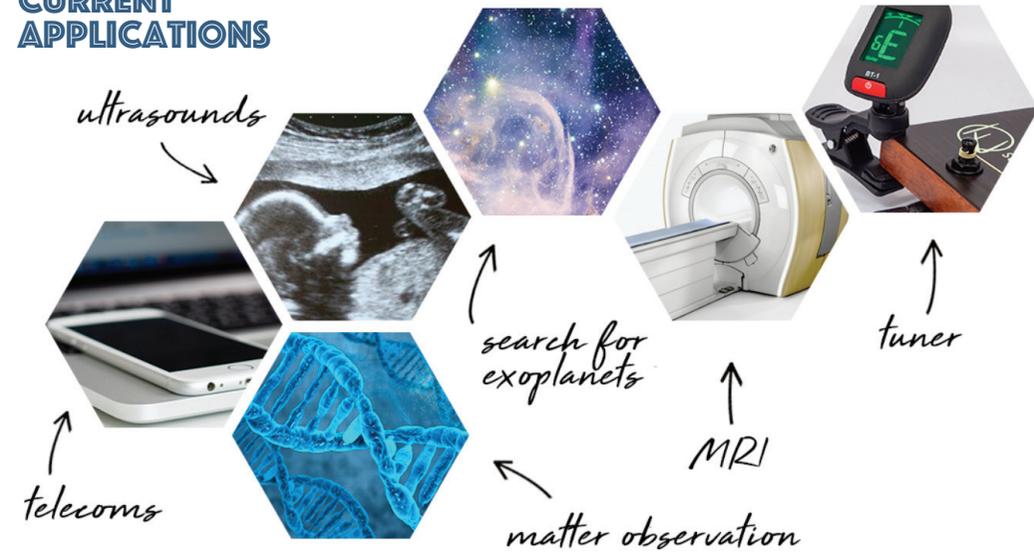
« Fourier analysis is useful for all sorts of things: decomposing sounds and recording them on a CD, for example, or decomposing images and transmitting them over the Internet, or analyzing variations in the level of the sea and predicting tidal waves [...] With all due respect to a magnificent author [...], it is indisputable that Joseph Fourier's influence is now much greater than Hugo's ever was. Not only is Fourier's "great mathematical poem" (as Lord Kelvin called it) taught in universities in every country in the world, it is part of the daily lives of billions of people who aren't even aware of it. »

Extracted from *Théorème vivant*, Cédric Villani (awarded the Fields Medal in 2010)

voluntary enlistments that the random draw became useless.

In 1795, he left Auxerre for Paris as he started teaching in the École Normale Supérieure then in the École Polytechnique (two of the most selective French colleges). He was a key scientist during the Campagne d'Égypte (a military expedition in Egypt led by Napoléon Bonaparte). From 1802 to 1815, he held the position of prefect in the French department of Isère. He simultaneously published his « theory of heat ». The Isère department especially paid tribute to his work through an institute of mathematics named after him. In 1817, he entered the French Academy of Sciences and became its permanent secretary in 1822. His grave stands close to his friend Champollion's one in the Père Lachaise cemetery (Paris).

CURRENT APPLICATIONS



THE HUMAN DIMENSION

Serving common asset, in Auxerre when taking part in the Revolution as well as in Isère when becoming prefect, his action left its mark on the French department identity until today.

- **Uprightness and bravery** : he defended his humanist ideals during the French Revolution
- **Modernity** : he ensured that Sophie Germain, the first French female scientist could attend the sessions of the Institut de France (among which the French Academy and the French Academy of Sciences)
- **An asset for the future** : through technological advance, his influence is guaranteed
- **A visionary man** : father of the scientific modelling of the greenhouse effect on the global scale, he ventured the hypothesis that human industry could modify the climate.

THE INTERNATIONAL SUBSCRIPTION

In 1849 in Auxerre, an imposing sculpture paid tribute to him further to a national subscription. Unfortunately, it was melted during World War 2.

Our action aims at raising a new sculpture in Joseph Fourier's memory in his home town, where his legacy should be enhanced. The statue will approximately cost €150,000 (\$180,000).



You can find all the news about our fundraising on Facebook : <http://www.facebook.com/FourierCestFou/>