

IBM Five in Five : IBM dévoile les 5 innovations qui vont changer nos vies dans les 5 prochaines années

PARIS - 20 déc. 2011: Pour la sixième année consécutive, IBM (NYSE: IBM) présente les « IBM Five in Five » (#ibm5in5), la liste des 5 innovations susceptibles de transformer nos façons de travailler, de vivre et de nous divertir dans les cinq prochaines années. En résumé :

- **Nous pourrions alimenter nos maisons avec de l'énergie que nous produirons nous-mêmes** : via la marche, le jogging, le cyclisme, via la chaleur dégagée par nos ordinateurs et même grâce au mouvement de l'eau dans nos canalisations...
- **Nous n'aurons plus besoin de mots de passe** : nos caractéristiques biologiques nous serviront bientôt de clés grâce à la reconnaissance vocale, rétinienne et plus généralement, aux données biométriques.
- **La télépathie sortira du domaine de la science-fiction** : nous pourrions contrôler nos terminaux par la pensée grâce aux progrès de la « bio-informatique ».
- **La fracture numérique ne sera plus** : dans 5 ans, 80% de la population mondiale actuelle possédera un terminal mobile. Le développement de cette technologie permettra d'atténuer les inégalités en termes d'accès à l'information.
- **Les courriers indésirables deviendront des courriers prioritaires** : IBM développe déjà des solutions analytiques permettant d'intégrer en temps réel l'ensemble des données disponibles sur une personne afin de lui proposer et de lui recommander les informations qui lui seront les plus utiles. Dans 5 ans, les publicités non sollicitées seront si pertinentes que la notion même de spam pourrait disparaître.

IBM Reveals Five Innovations That Will Change Our Lives within Five Years

Armonk, NY - December 19, 2011: Today IBM (NYSE: IBM) formally unveiled the sixth annual "IBM Five in Five" (#ibm5in5) – a list of innovations that have the potential to change the way people work, live and play over the next five years:

- You will be able to power your home with the energy you create yourself
- You will never need a password again
- Mind reading is no longer science fiction
- The digital divide will cease to exist
- Junk mail will become priority mail

The next Five in Five is based on market and societal trends as well as emerging technologies from IBM's labs around the world that can make these transformations possible.

At IBM, we're bridging the gap between science fiction and science fact on a daily basis. Here are how five technologies will define the future:

You will be able to power your home with the energy you create yourself.

Anything that moves or produces heat has the potential to create energy that can be captured. Walking. Jogging. Bicycling. The heat from your computer. Even the water flowing through your pipes.

Advances in renewable energy technology will allow individuals to collect this kinetic energy, which now goes to waste, and use it to help power our homes, workplaces and cities.

Imagine attaching small devices to the spokes on your bicycle wheels that recharge batteries as you peddle along. You will have the satisfaction of not only getting to where you want to go, but at the same time powering some of the lights in your home.

Created energy comes in all shapes and forms and from anything around us. IBM scientists in Ireland [link it Ireland water announcement] are looking at ways to understand and minimize the environmental impact of converting ocean wave energy into electricity.

You will never need a password again.

Your biological makeup is the key to your individual identity, and soon, it will become the key to safeguarding it.

You will no longer need to create, track or remember multiple passwords for various log-ins. Imagine you will be able to walk up to an ATM machine to securely withdraw money by simply speaking your name or looking into a tiny sensor that can recognize the unique patterns in the retina of your eye. Or by doing the same, you can check your account balance on your mobile phone or tablet.

Each person has a unique biological identity and behind all that is data. Biometric data – facial definitions, retinol scans and voice files – will be composited through software to build your DNA unique online password.

Referred to as multifactor biometrics, smarter systems will be able to aggregate this information in real-time to make sure whenever someone is attempting to access your information, it matches your unique biometric profile and it is authentic. As always, you'll be able to opt in or out of whatever information you choose to provide.

Mind reading is no longer science fiction.

From Houdini to Skywalker to X-Men, mind reading has merely been "wishful thinking" for science fiction fans for decades, but their wish may soon come true.

IBM scientists are researching how to link your brain to your devices, such as a computer or a smartphone. If you just need to think about calling someone, it happens. Or you can control the cursor on a computer screen just by thinking about where you want to move it.

Scientists in the field of bioinformatics have designed headsets with advanced sensors to read electrical brain activity that can recognize facial expressions, excitement and concentration levels, and thoughts of a person without them physically taking any actions.

Within 5 years, we will begin to see early applications of this technology in the gaming and entertainment industry. Furthermore, doctors could use the technology to test brain patterns, possibly even assist in rehabilitation from strokes and to help in understanding brain disorders, such as autism.

The digital divide will cease to exist.

In our global society, growth and wealth of economies are increasingly decided by the level of access to information. And in five years, the gap between information haves and have-nots will narrow considerably due to advances in mobile technology.

There are 7 billion people inhabiting the world today. In five years there will be 5.6 billion mobile devices sold – which means 80% of the current global population would each have a mobile device.

As it becomes cheaper to own a mobile phone, people without a lot of spending power will be able to do much more than they can today.

In India, using speech technology and mobile devices, IBM enabled rural villagers who were illiterate to pass along information through recorded messages on their phones. With access to information that was not there before, villagers could check weather reports for help them decide when to fertilize crops, know when doctors were coming into town, and find the best prices for their crops or merchandise..

Growing communities will be able to use mobile technology to provide access to essential information and better serve people with new solutions and business models such as mobile commerce and remote healthcare.

Junk mail will become priority mail.

Think about how often we're flooded with advertisements we consider to be irrelevant or unwanted. It may not be that way for long.

In five years, unsolicited advertisements may feel so personalized and relevant it may seem spam is dead. At the same time, spam filters will be so precise you'll never be bothered by unwanted sales pitches again.

Imagine if tickets to your favorite band are put on hold for you the moment they became available, and for the one night of the week that is free on your calendar. Through alerts direct to you, you'll be able to purchase tickets instantly from your mobile device. Or imagine being notified that a snow storm is about to affect your travel plans and you might want to re-route your flight?

IBM is developing technology that uses real-time analytics to make sense and integrate data from across all the facets of your life such as your social networks and online preferences to present and recommend information that is only useful to you.

From news, to sports, to politics, you'll trust the technology will know what you want, so you can decide what to do with it.

For more information about the IBM 5 in 5, please visit:

- [A Smarter Planet Blog](#)
- Facebook: [People for a Smarter Planet](#)
- Twitter: Join the conversation with hashtag #ibm5in5
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Registered journalists and bloggers can download b-roll about IBM's 5 in 5 at www.thenewsmarket.com/ibm5in5.
