

Written on 01 May 2009 15 minutes of reading

News

Fundamental Research

Climate, environment and circular economy | CO2 capture, utilization and storage | Life cycle analysis (LCA) | Sustainable mobility | IC powertrains | Responsible oil and gas | Basins and reservoirs modeling and simulation



IFP has recently created an R&D network of expertise to make the most of its researchers' technical and scientific excellence and effectively promote it with its industrial, institutional and academic partners. This community of IFP experts currently boasts 6 Expert Directors and 21 Experts.

This fifth issue of “Science@ifp” deals at length with work initiated and led by some of our experts. In the future, we will often find the
members of this community among our authors, and also future experts, since the very purpose of this newsletter is to report on the most significant scientific results to emerge from our R&D programs, while shedding light on their technological importance.

Hervé Toulhoat, Associate Scientific Director

Summary:

- Improving solvent selection for **CO_2 capture**
- **Stabilizing emulsions and aqueous foam**
- Reconciling reservoir models and production data
- **Optimizing energy management** in hybrid vehicles
- Visualizing unburnt hydrocarbons in **low-NOx engines**
- **Exergetic analysis** and sustainable development of processes

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