

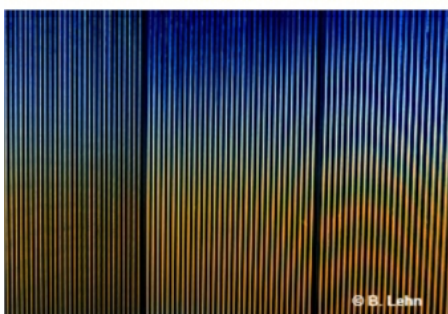


ILL newsletter

MARCH 2018

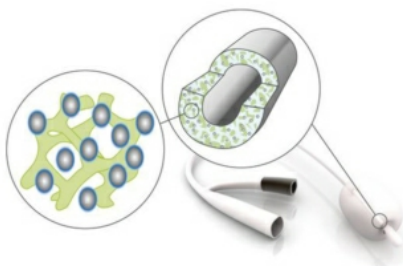
Consult our [web site](#) and follow us on [Twitter](#) !

SPOTLIGHTS ON SCIENCE



A new process of magnetic fragmentation

A recent study conducted at the ILL, combining neutron scattering experiments and magnetic measurements on a frustrated magnet, discovered a new mechanism whereby the same magnetic degree of freedom is simultaneously involved into two antinomic thermodynamic states, namely a crystal and a fluid. [Read more](#)



Company is back after a successful feasibility study within SINE2020

In the framework of the 'industry consultancy' of the SINE2020 European project, an innovative Danish company used small-angle neutron scattering (SANS) to see how it could help them improve their patented new material that combines silicon and hydrogel. The resulting interpenetrating polymer network (IPN) decreases the risk of infection by preventing biofilm formation in medical devices. This kind of material may also be suitable for drug-delivery. BIOMODICS conducted measurements on D11 with collaborators at the University of Copenhagen. The measurements enabled BIOMODICS to decide on purchasing beam time for a detailed study. [Read more](#)

[MORE HIGHLIGHTS HERE !](#)

GENERAL NEWS



ILL and ESS European User meeting

With the ILL and ESS neutron landscape in Europe going through a period of dramatic change, the ILL and ESS managements feel that it is timely to review recent achievements and, above all, look forward to new scientific opportunities with neutrons in the next decade. For this reason the two Institutes invite you to the first European user meeting, on 10-12 October in Grenoble. The programme foresees a number of plenary speakers covering future directions in neutron science, as well as reports on recent and ongoing projects at ILL and ESS. There will be focused satellite meetings, in parallel with the user meeting, which will allow participants to delve deeper into specific areas of neutron science. [More info](#)



DOIs for data

In 2012, the ILL began to assign an identification number to the datasets produced after every single experiment. This number is known as the DOI, or Digital Object Identifier, and is a persistent link. For the referencing of their data, it is vital that users adopt the DOI. By inserting this DOI into all their publications, users guarantee the traceability of all the details about their experiment. Data DOIs promote experiments to peers and to potential funding bodies as well as to publishers and journals. Some of these already insist on access to this data before they will validate a publication. Inserting the DOI in an article actually speeds up the review process! Discover the advantages of using DOIs in less than 3 min: <https://youtu.be/40B28q8EUyI>



New www.ill.eu

We're excited to announce that our new website is live. In addition to a fresher look, the updated site includes an improved content structure and a more user-friendly browsing. We hope you will enjoy surfing it! www.ill.eu



Memorandum of understanding between NCBJ and the ILL

On 30 January, the ILL Director Helmut Schober welcomed the Director of Poland's National Centre for Nuclear Research (NCBJ) in Warsaw, Krzysztof Kurek, for an official visit. There was clear agreement on the ambition of bringing the entire Polish neutron community together with ILL, with the possibility of a neutron user workshop in Poland. Collaboration with local institutions in Poland and the Polish scientific community would strengthen this community and provide it with an excellent opportunity to express its requirements and make best use of ILL.

[Previous issues of the ILL newsletter](#)



www.ill.eu
communication@ill.eu
To unsubscribe follow instructions [here](#).