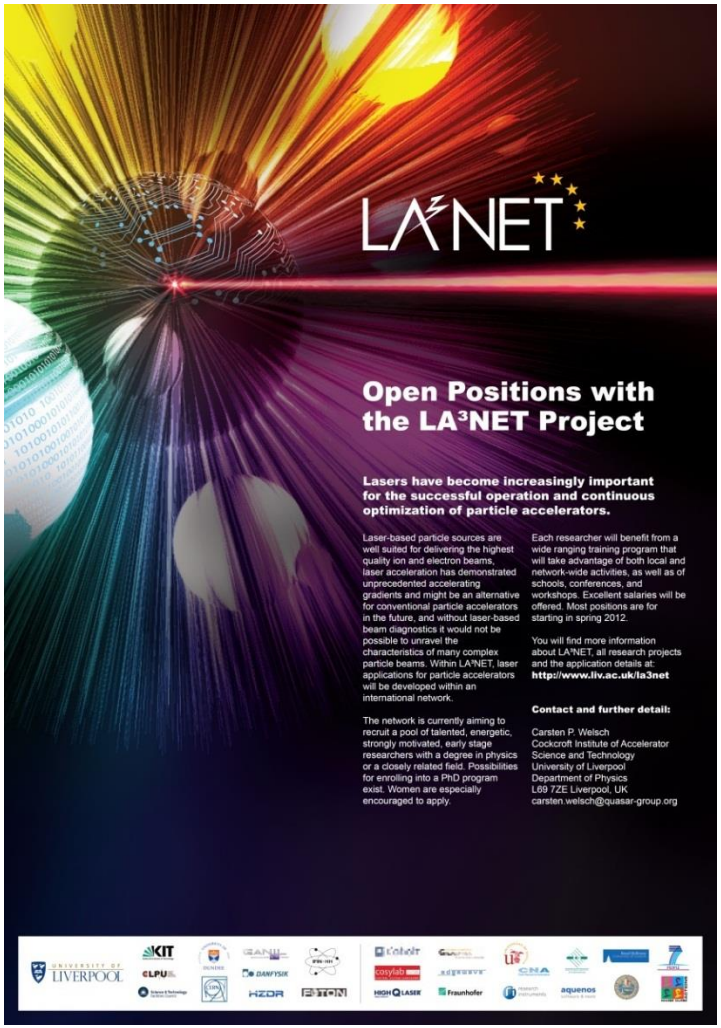
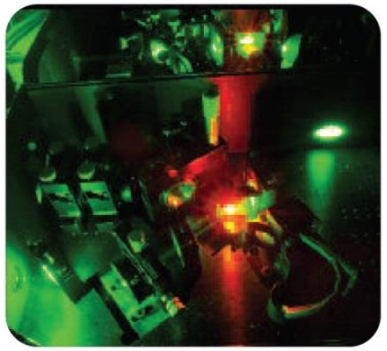

LA³NET
WELCOME !
to this LA³NET Workshop
Carsten P. Welsch



- Laser Applications for Accelerators – A Marie Curie Network
  - 19 ESRs
  - 36 Partner Institutions
  - 4.6 M€

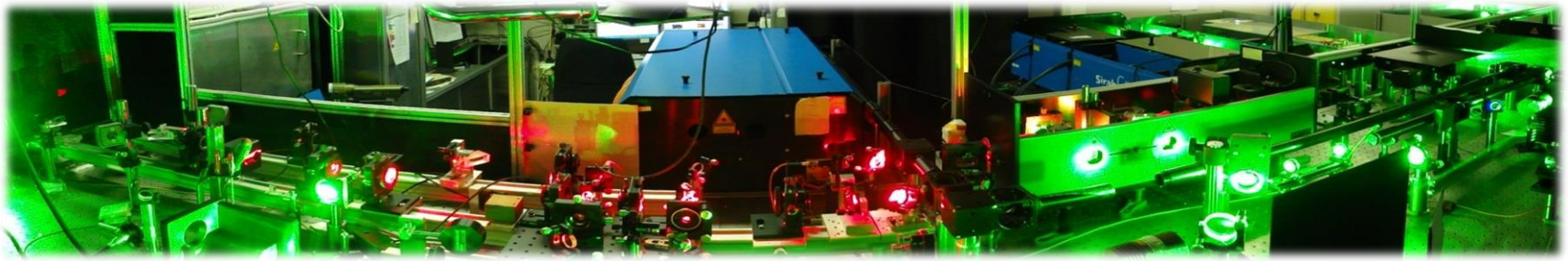
LAser Applications at Accelerators a european NETwork

- More than 30,000 accelerators in the world;
- Lasers are becoming increasingly important
  - Beam generation;
  - Acceleration;
  - Characterization, etc.
- Few experts trained in both fields;
- Large scale facilities: International collaboration is key !



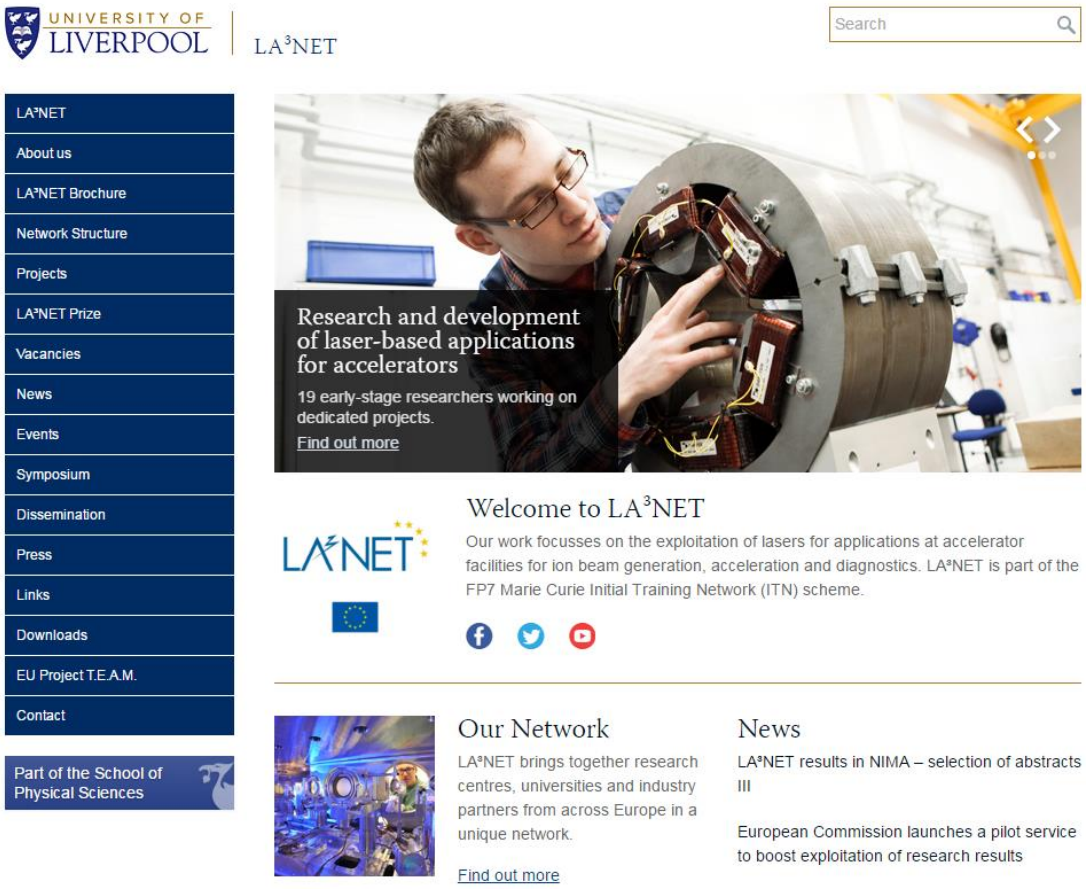
Research Program

- Main areas:
  - Particle Sources (WP2);
  - Particle Beam Acceleration Schemes (WP3);
  - Beam Diagnostics (WP4);
  - System Integration (WP5);
  - Laser and Photon Detector Technology (WP6).

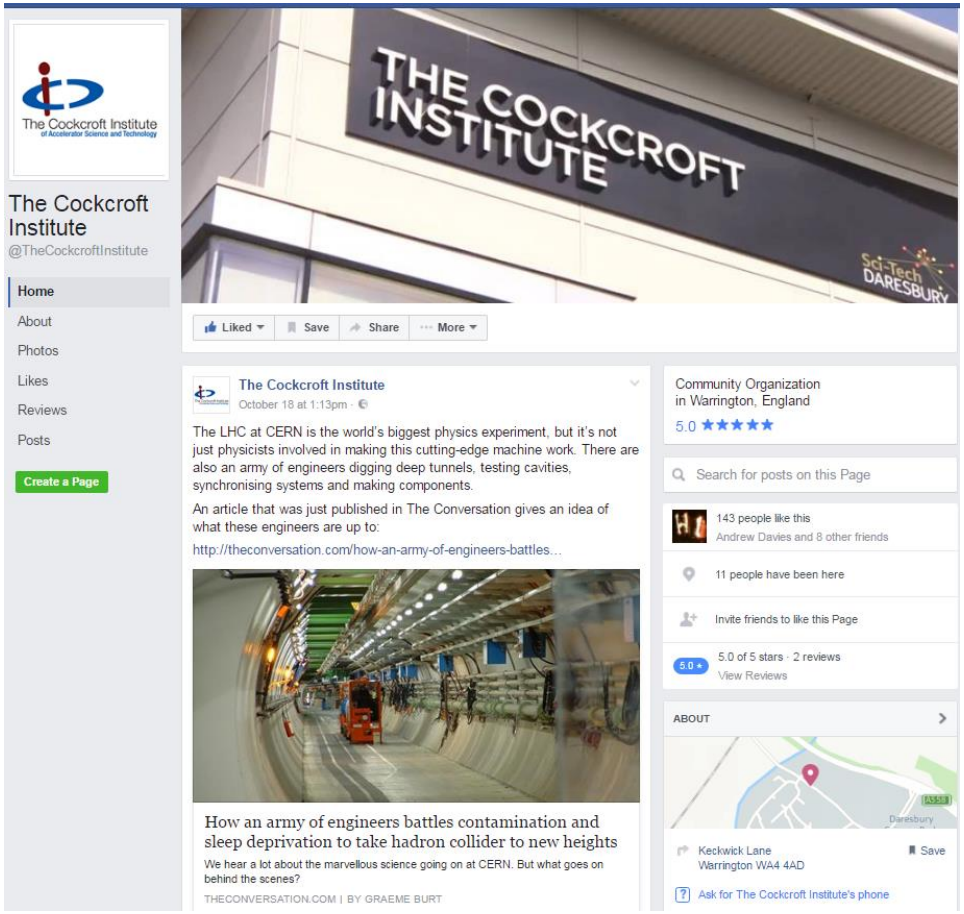


A unique training program

LA³NET Web Site



(http://www.)la3net.eu



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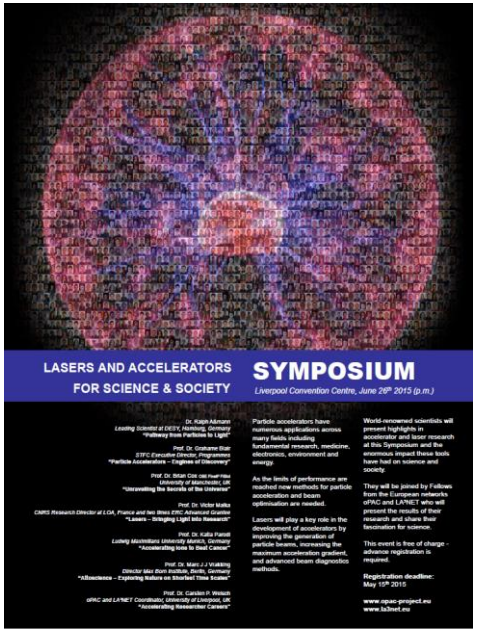
Outreach & sharing best practice

ESOF 2014 COPENHAGEN EUROSCIENCE OPEN FORUM

- **Complementary skills training**
  - Communication, project management, IPR
- **Administrator training**
- **HEA seminar, Teaching & Learning**

Public engagement

- Fairs & conferences
- Project videos
- Symposium on Accelerators & Lasers for Science and Society, Liverpool Convention Centre, 26 June 2015



International Partnership



This Workshop

- State-of-the-art in laser ion source R&D
- Jointly organized with RESIST, a work package within the H2020 ENSAR-2 project
- Topics:
  - Techniques to enhance ion beam purity
  - Advancements in efficiency, selectivity and spectral resolution
  - New concepts and development of advanced laser technologies for RILIS

Enjoy !