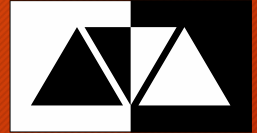


Partner Organisations and their role in AVA

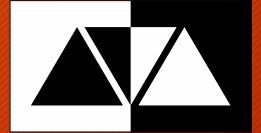
Prof C.P. Welsch
University of Liverpool
The Cockcroft Institute





OMA Partner Organizations

- [Bergoz](#), France
- [EdgeWave](#) GmbH, Germany
- [Fistral](#) Training and Consultancy Ltd, UK
- [Holdsworth](#) Associates, UK
- [Inventya](#) Ltd, UK
- [STFC](#) - Science and Technology Facilities Council, UK
- [University of Aarhus](#), Denmark
- [UK Intellectual Property](#) Office, UK
- [University of Sussex](#), UK
- [ViALUX](#) GmbH, Germany

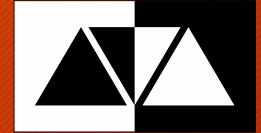


Role of Partner Organizations

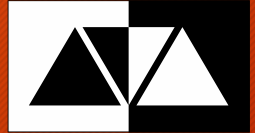
- Support network activities

Offer:

- expertise
- secondments
- training
- contribute to network events
- dissemination



- An engineering company focused on beam instrumentation.
- Industry leader in accelerator instrumentation and in particular current transformers
- 35 Years experience recognized in the world of particle accelerators

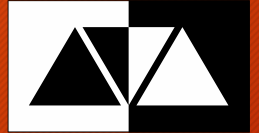


- Designs, develops and manufactures high-precision instruments for accelerators dedicated to:
 - High-energy physics fundamental research
 - Radio-active isotopes study or production
 - Material study by neutrons spallation and high-energy photons
 - Proton/carbon and Neutron-Boron Capture cancer therapy

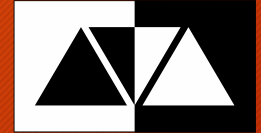


Contribution to AVA

- Will provide hands on training in beam diagnostics
- All ESR's will learn about design of robust electronics
 - that can be operated in an (often harsh) accelerator environment
 - Solder a PCB of a WiFi receiver and assess its performance and learn about the challenges in intensity measurements.

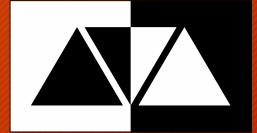


- Provider of high end laser beam sources, pioneer of INNOSLAB technology and international leader in this area.
- As well as development and manufacture, Edgewave work with end-users to deliver application-specific, tailor-made laser solutions.

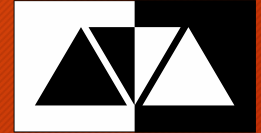


Contribution to AVA

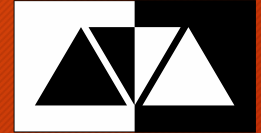
- Can provide training in complementary laser technology.
- Prepared to work with partners across the network and offer targeted training to a CERN ESR.
- To give ESR insight into Edgewave's present R&D program and to familiarise the ESR with their in-house laboratory and testing environment.



- Established in 1991 and based in Glasgow
- Specialise in project and risk management
- All facilitators are active practitioners in their field



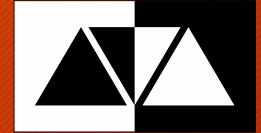
- Currently deliver PM training directly for more than 25 UK universities.
- Primary providers of PM and Risk training to the European Space Agency (ESA), other customers include German Aerospace (DLR), NHS, Lockheed Martin and many research institutes.
- Previously delivered PM training to DITANET, LA3NET and oPAC networks.



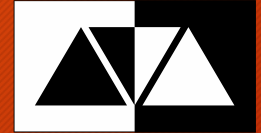
- Contribution to AVA

Project management training as part of both complementary skills schools:

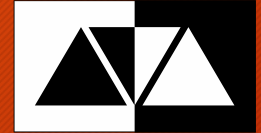
- Enabling the effective planning and managing of the Fellows individual PhD projects.
- Ensuring the Fellows are provided with an immediately applicable and practical skill set.
- Preparing the Fellows for future careers whether in academia or industry through the provision of transferable skills.
- Helping to increase employability by raising PhD training to a professional level.



- Award-winning public relations consultancy
- 2013 - Voted 'Best PR Agency' in the Business Weekly New Year Honours Award
- Based in Cambridge, UK

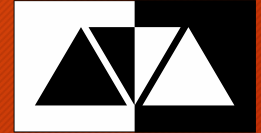


- Offer a wide range of public relations services including engagement with the media, content creation, press releases preparation, publication of technical articles, social media and online communication.
- Have specialist knowledge in science and technology.

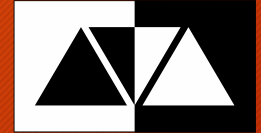


Contribution to AVA

- Scientific writing, media interaction and writing for general public training as part of the AVA Complementary Skills School.
- Support in results dissemination.
- Will closely follow all Fellow's research activities and progress to recognize and identify newsworthy occurrences.

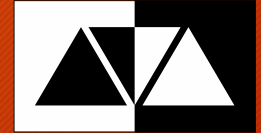


- An International Science, Engineering and Technology Commercialisation Consultancy
- Founded in 2010
- 25 staff with different technical backgrounds
- Presence through the EU - UK, Italy, France, Belgium
- Leading innovation management consultancy providing proof-of-market research, product-service commercialisation and market- orientated due diligence services for R&D led organisation

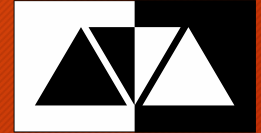


Contribution to AVA

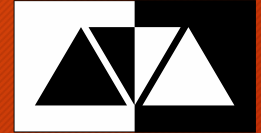
- Training on commercialization, entrepreneurship and industry-academia collaboration .
- A 2-day TW on '*Technology Transfer*', led by INVENTYA, that will look at the market potential of the developments within the network will be organized in the same week.
- Will raise awareness for market potential of research during Skills School and work with Fellows on commercialization throughout the project.



- Will undertake half-yearly reviews and advise on the industry relevance of individual research projects and report findings in the form of short reports to the Coordinator who will then make suggestions to the partners.
- Identification of opportunities will be one of the remits of INVENTYA in discussion with the Supervisory Board and Steering Committee.

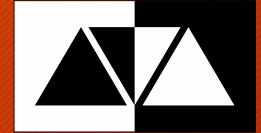


- STFC is the UK organization responsible for providing large scale accelerator facilities within the UK, and UK involvement in international accelerator programs.
- runs the on campus facilities ALICE, EMMA and VELA and have vast experience in accelerator testing and diagnostics development.
- is a member of the Cockcroft Institute



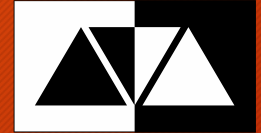
ASTeC department

- Runs the on campus facilities ALICE, EMMA and VELA and have vast experience in accelerator testing and diagnostics development.
- ASTeC was responsible for accelerator design work on Diamond, 4GLS and the New Light Source Project, and has contributed to many international projects, such as the International Linear Collider and CLIC.

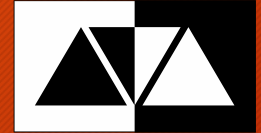


Contribution to AVA

- Provide accelerator design and diagnostics expertise.
- Input to the planned FLUKA studies (collaboration with CERN, LMU, ULIV, INFN).
- Collaboration in markets identification (ULIV, ULAN, Inventya).

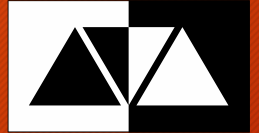


- A major research university in Denmark ranked in the top 100 Universities worldwide.
- The Department of Physics and Astronomy has an internationally recognized research profile in a broad range of disciplines, including atomic physics, nano-science and technology, cosmology, solid state physics, and astronomy.

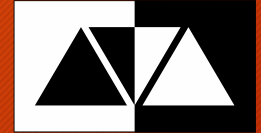


Contribution to AVA

- Will contribute their expertise in stable trapping of antihydrogen atoms.
- Has the lead role in the Alpha experiment and is very experienced in trap experiments and detector development;
- Degradation integration, injection and magnetic field precision studies will be carried out between UNIMAN, UAA and CERN, benefitting all current trap experiments and allowing for comparison with work in WP2



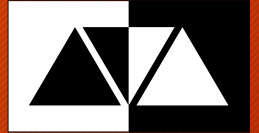
- UK Government's official body responsible for Intellectual Property (IP) rights in the United Kingdom.
- These rights include patents, designs, trademarks and copyright.



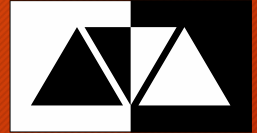
Contribution to AVA

- Training on Intellectual Property Rights as part of the AVA Advanced Researcher Skills School.

Ensuring that knowledge generated will be treated appropriately and the benefits of IP protection are understood.

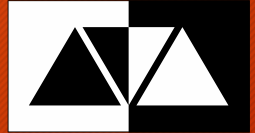


- The University of Sussex is a leading higher education and research institution in the south of England.
- Sussex is one of the largest centres for ion-trap research in the UK
- Sussex was the first of the new wave of UK universities founded in the 1960s, receiving its Royal Charter in 1961.

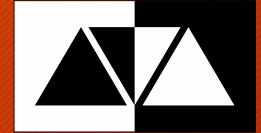


Contribution to AVA

- will offer training in design, construction and operation of novel Penning traps, with a particular emphasis on the planned applications in antiproton research.
- Secondment opportunities in the above area will be provided to AVA ESR.



- Founded in 2000 by Roland Höfling (CEO)
- 25 years background in optical metrology
- Private company with worldwide network of representatives
- Based Chemnitz, Germany



Contribution to AVA

- Hands-on training on DMD technology and will work with ULIV and CERN on high dynamic range profile measurements and beam emittance studies
- Extended secondment for ESR5.