

Roman Walczak (Oxford)
Bernhard Holzer (CERN)

support the work of the students

give the opportunity to present their contributions to the field

help to establish themselves within the community

organise lecture series (“schools”) 2014 ... 2019 ... ??

Poster session

42 Student posters

Poster Prize

- student's own contribution*
- presentation*
- impact on the research field*

*three posters selected
presented in a short talk to the audience*

*Five posters selected to show the contributions to the community on
all major research topics in a short presentation*

Poster Prize

Aimee Ross



Resonant wakefield excitation observed in long plasma channels

Stefanie Kraus

Alternating phase focusing and approaching large net energy gain in photonic chip-based particle acceleration

Stefanie Kraus, Roy Shiloh, Johannes Illmer, Tomas Chlouba, Leon Brückner, Julian Litzel, Peter Hommelhoff

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Mariana Moreira

Early dynamics of the self-modulation instability growth rate

M. Moreira^{1*}, P. Muggli^{2,3}, and J. Vieira¹



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Poster Presentations

- Nils Weisse** *Measuring spatial-temporal couplings using modal multi-spectral wavefront reconstruction*
- Simona Borrelli** *Phase shaping of the free-electrons wavefunction with fs-laser pulses in an RF-cavity-based UTEM*
- Lars Reichwein** *Acceleration of spin-polarized proton beams from a dual-laser pulse scheme*
- Chiara Badiali:** *A plasma-based acceleration method suitable for non-relativistic muons*
- Felipe Peña** *Large energy depletion of a beam driver in a plasma-wakefield accelerator*
- Cornelia Gustafsson** *Phase manipulation through plasma density modulation*
- Moritz Förster** *Hybrid LWFA-PWFA: A stability and beam-quality booster for laser-generated electron beams*

European Network for Novel Accelerators

The Simon van der Meer Early Career Award in Novel Accelerators

sponsored by the EU projects Aries / I-FAST

is awarded by the European Network for Novel Accelerators to recognize outstanding early career contributions (theoretical, experimental, computational or technical) in novel accelerator science.

This diploma certifies that the 2021 Award has been presented to

Carl Lindström

for his numerous outstanding experimental and theoretical contributions to the field of beam-driven plasma accelerators - including the demonstration of beam-quality preservation and efficient acceleration, study of advanced beam transport concepts and the invention of self-stabilizing multi-stage acceleration.

Ralph Aßmann
EuroNNAc Coordinator

Maurizio Vretenar
Aries/I-FAST Coordinator



22 September 2022

Roman Walczak (Oxford), Bernhard Holzer (CERN)

The Simon van der Meer Early Career Award in Novel Accelerators

We received 5 nominations from the community

and all are on excellent scientific level

all candidates deserve special attention

it was very difficult to make a choice.

*Still ... I only can motivate strongly those who were not the winners of this years' award,
to re-apply for the next nomination - which is already in 2023*

and last but not least ...

BBC - Effect

enough time to talk / discuss / meet !!!

exchange ideas

meet seniors & project leaders

career planning

“networking”