Xecs Matchmaking Event

EXCILLUM AB

•

•

High End X-ray sources: Design, Development, Manufacturing

0

Contact: Simona Laza Organisation: Excillum AB E-mail: simona.laza@excillum.com

0

Company at a glance

- Based in Stockholm, Sweden
- Founded 2007
- 78 employees, 55% in R&I
- Sales: 12 M€
- R&I expenses: 25% of sales
- Partner in collaborative projects:

KDT JU & ECSEL JU (HICONNECTS,14ÅCMOS, MADEin4), EUREKA CLUSTERS (FA4.0), EUROSTARS, Horizon2020, EMPIR, SME instrument, FP7, National grants (VINNOVA)

Member of AENEAS

Participating in events and MC

Contact public funding : simona.laza@excillum.com

EXCILLUM CONFIDENTIAL

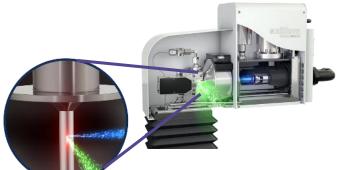


Competences & Products

Entirely devoted to advanced microfocus and nanofocus X-ray sources

MetalJet World's brightest microfocus X-ray source

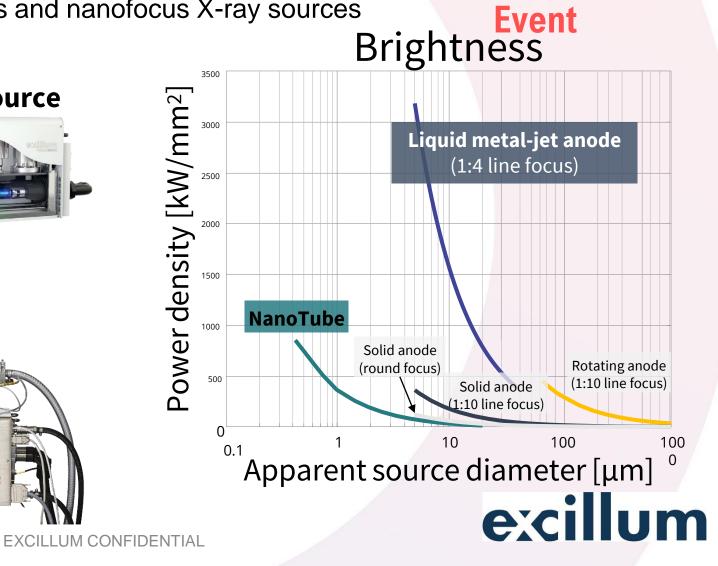
Liquid metal-jet anode technology



NanoTube World's smallest X-ray nanospot

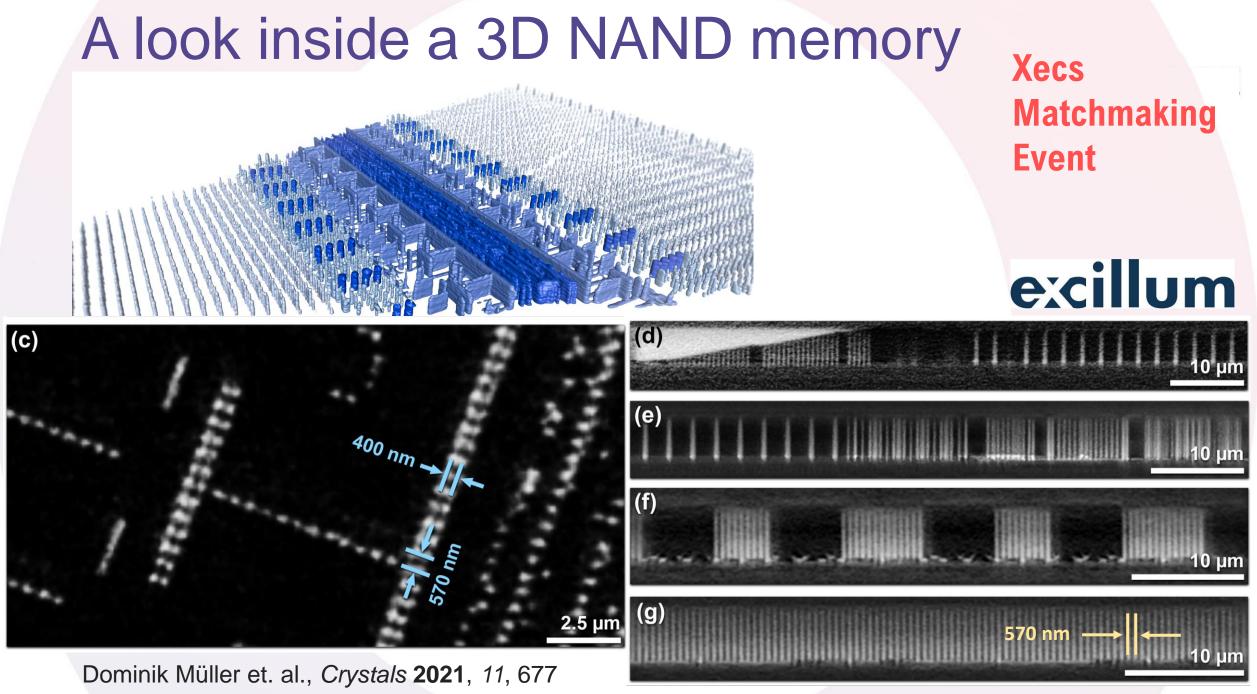
Advanced electron beam technology





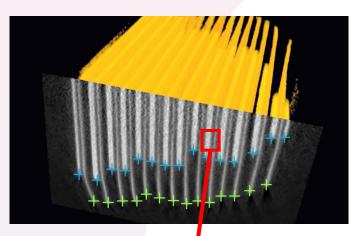
Xecs

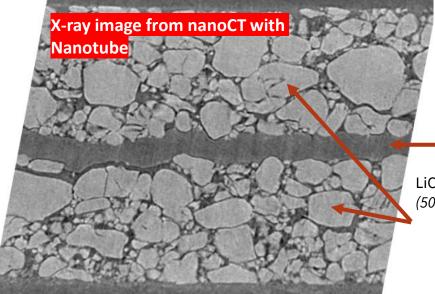
Matchmaking



© Fraunhofer IIS

NanoTube for Battery cathode inspection





10µm Al cathode

LiCoO2 Cathode (50 µm per side)

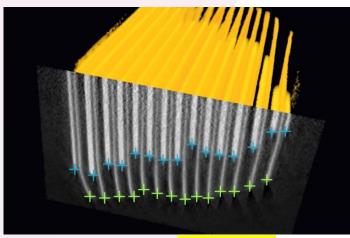
Xecs Matchmaking Event



Electron-Microscopy image of an Aluminium cathode with 2 activesh layers. Image copyright – Tech insights: <u>https://www.wee-Musights.com</u>

excillum

MetalJet for in-line Battery inspection Matchmaking



3D render of the edge of a **phone battery** with a reconstructed slice and anode/cathode overhang marked



3D render of the edge of a phone battery scanned in 1s.

3D render of the edge of a prismatic EV battery scanned in 1s.

High-speed for in-line inspection

- Scan times of **1s or less**
- Detection of
 - Anode/cathode overhang
 - Particle detection
 - Etc ...



Event

excillum

Collaboration Expectations

Xecs Matchmaking Event

excillum

Collaborative project of interest to you	EUREKA clusters, KDT, Eurostars, Horizon Europe or other
Scope	Technology development and new market access
Project idea	High-speed, high-resolution X-ray inspection
Project impact	Enable fail safe electronics, Quality assurance
Project consortium	 Searching for partner(s) in: Industrial imaging Inspection and metrology X-ray OEMs and components suppliers (other than X-ray source)

Contact: Simona Laza, <u>simona.laza@excillum.com</u>

https://www.excillum.com/

Xecs Matchmaking Event

Thank you!

Contact: Simona Laza, <u>simona.laza@excillum.com</u>

https://www.excillum.com/

