



Smoltek newsletter, September 2020

Happy to be back with autumn's first newsletter!

As usual, it's filled with interesting reading: Extended license agreement for CNF-MIM evaluation. CNF-MIM demonstrated on other substrate materials. New President of the subsidiary Smoltek Semi appointed. New member of the R&D team adds complementary knowledge. Three (!) new granted patents.

Plus: A brand new interview that explains how our CNF-MIM technology will be scaled to high volume production.

Business update – CNF-MIM evaluation license extended

The evaluation license agreement signed in March with a leading capacitor manufacturer for technical and commercial screening of our CNF-MIM technology has been extended throughout October.

Go to press release:

https://news.cision.com/smoltek-nanotech-holding-ab/r/license-agreement-for-evaluation-of-cnf-mim-technology-extended_c3193414

New interview – Karl Lundahl on the next steps for CNF-MIM

How will Smoltek's CNF-MIM technology be scaled to extreme high-volume production? Which CNF-MIM based capacitor type will likely reach the market first? What kind of application is the most suited for this technology? These, and some other questions will our VP Product Management, Karl Lundahl unravel in this newly recorded interview.

Watch the interview: <https://www.youtube.com/watch?v=eqcDHT8YII&feature=youtu.be>



Karl Lundahl, VP Product management at Smoltek

Tech update – Smoltek goes "Beyond silicon"

During the virtual IEEE NANO 2020 conference we proudly outed that CNF-MIM has been demonstrated on alternative substrates to silicon - glass and alumina. This means that we now have moved our CNF-MIM concept "beyond silicon".

Read the newsflash: <https://www.smoltek.com/post/smoltek-goes-beyond-silicon>

Corporate update – New head of Smoltek Semi

On October 1st Ola Tiverman takes on a new role as President of the wholly owned subsidiary Smoltek Semi AB, a business unit entirely focused on licensing technology concepts to the semiconductor and electronics industry. Olas new title: CRO & President Smoltek Semi AB.

"This is a step in ensuring the breakthrough of CNF-MIM and other applications aimed at the semiconductor and electronics industry,"
says Ola Tiverman.

Go to press release:

https://news.cision.com/smoltek-nanotech-holding-ab/r/ola-tiverman-appointed-as-new-president-of-the-subsiary-smoltek-semi-ab_c3202659

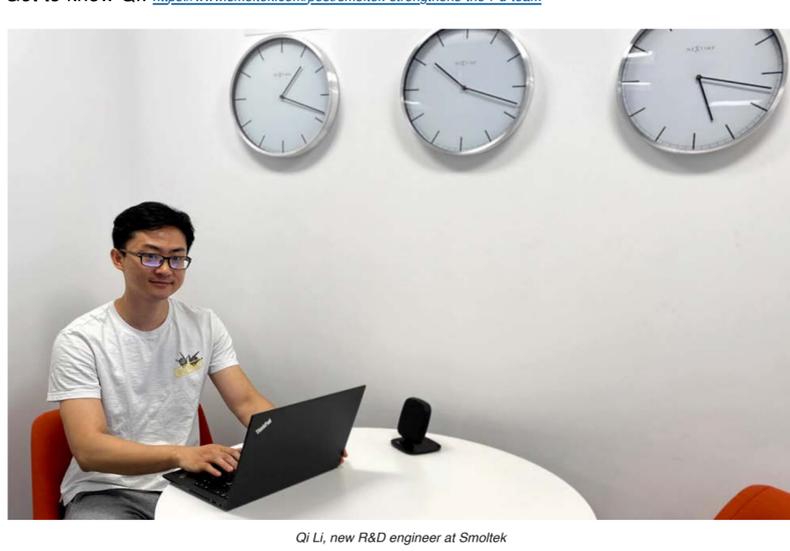


Ola Tiverman, CRO and new President of Smoltek Semi AB

New R&D Engineer

Qi Li is the name of our newest employee. He has in-depth experience from energy storage materials research and holds a PhD from Chalmers University of Technology. Qi brings complementary knowledge and valuable experience to our R&D-team.

Get to know Qi: <https://www.smoltek.com/post/smoltek-strengthens-the-r-d-team>



Qi Li, new R&D engineer at Smoltek

IP update – Three (!) new patents granted

Developing and widening the footprint of our patent portfolio is of great importance when we are steadily moving closer to production licensing our technology platform.

Patent 60: New application patent granted which is relating to our family for Energy storage devices (i.e. interposers).

Read more about the patent: <https://www.smoltek.com/post/smoltek-patent-no-60-now-granted>

Patent 61: New method patent granted which is relating to the Helplayer family.

Read more about the patent: <https://www.smoltek.com/post/helplayer-ip-family-expands-with-new-granted-patent>

Patent 62: New application that is covering energy storage devices embedded in an interposer, and manufacturing of such.

Read more about the patent: <https://www.smoltek.com/post/smoltek-patent-no-62-now-granted>



Smoltek R&D engineers at work in the Chalmers MC2 laboratory

Event update – New virtual event

In the first week of October we will participate in the virtual IMAPS event in San Diego. It's the 53rd International Symposium on Microelectronics and will feature 5 technical tracks, plus a virtual Interactive poster session, where we will present our latest nanotechnology progress.

Check out the event: https://www.imaps.org/international_symposium_on_mic.php

Industry highlights

This is just a fraction of headlines from the immense semiconductor industry. But they give you a general idea of the development.

Next wave: Momentum builds up for advanced packaging.

<https://semiengineering.com/momentum-builds-for-advanced-packaging/>

Moore's law still rules: Intel Says Chips Will Pack 50 Times More Transistors.

<https://singularityhub.com/2020/08/23/moores-law-lives-intel-says-chips-will-pack-50-times-more-transistors/>

CNT is pushing transistors: Carbon Nanotube Transistors may soon give waning Moore's Law a boost.

<https://singularityhub.com/2020/06/01/carbon-nanotube-transistors-may-soon-give-waning-moores-law-a-boost/>

Beyond silicon: Carbon Nanotubes for the win when silicon is reaching its limits.

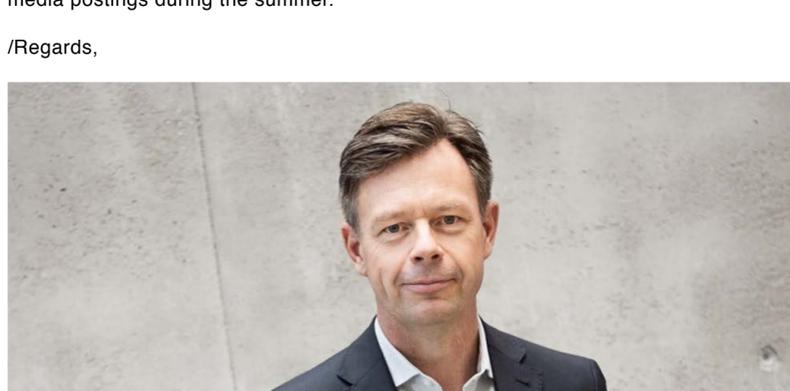
<https://singularityhub.com/2019/09/03/silicon-is-reaching-its-limits-are-carbon-nanotubes-next/>

Stay safe during the autumn!

We wish you all a pleasant fall, with nice re-energizing strolls in the everchanging landscape – outdoor is the place to be this year!

And until next time, stay tuned for our press releases, website newsfeed and social media postings during the summer.

/Regards,



Anders Johansson, CEO

anders@smoltek.com