



Secretariat of nano tech & neo functional material

January 11, 2018

nano tech & neo functional material 2018
**Exhibiting the latest trends in Cellulose Nanofiber:
New manufacturing techniques, mass production, and practical applications**

“nano tech” and “neo functional material,” international exhibitions focusing on the latest research and application of cutting edge technologies, will be held concurrently at the Tokyo Big Sight from Wednesday 14 till Friday 16 February, 2018.

Following on from last year, the joint events will be holding seminars focusing on cellulose nanofibers (CNF) on February 15 and 16 (Thursday and Friday). While CNF technology is expected to have extensive and revolutionary applications in the future, several hurdles remain to be jumped before it reaches mass production levels and widespread use. At the concurrent exhibitions, exhibitors and visitors will be able to catch up with the latest technological advances and developments in the production process, as well as seeing examples of real-world practical applications.

Furthermore, CNF-related exhibitors will also be exhibiting their tech and research in a “Cellulose Nanofiber Special Symposium” at nano tech and a “Neo Functional Paper Zone” at neo functional material. The organizers would like to extend an invitation to any and all interested in CNF to attend the above zones and seminars.



Special Symposium: Cellulose Nanofibers (Free Entry, ft. Simultaneous Interpretation)

Date: February 15 (Thu.) 10:30-12:30 / Venue: nano tech, Main Theater (East Hall 5)

[Click here for details](#)

10:30-10:50 “Trends for R&D and Industrialization of Nanocellulose”

Dr. Satoshi Hirata, Supervisory Innovation Coordinator / Secretary-general, Nanocellulose Forum, National Institute of Advanced Industrial Science and Technology

10:50-11:10 “Mass production of nano-fibrillated cellulose by using a cellulose-producing bacterium and its applications”

Prof. Kenji Tajima, Associate Professor, Faculty of Engineering, Hokkaido University

11:10-11:30 “Challenges for Cellulose Nanocrystal Development and Applications”

Dr. Linda Johnston, Principal Research Officer, Measurement Science and Standards, National Research Council Canada

11:30-11:50 “Efforts for Practical Use of Cellulose Nanofiber ”

Mr. Masayuki Kawasaki, Research and Development Division, Cellulose Nanofiber (CNF) Research Laboratory, Nippon Paper Industries



11:50-12:10 "Cellulose nanofiber produce from wood and application development"

Mr. Akihiro Yamamoto, MORI MACHINERY

12:10-12:30 "Fabrication of CNF Based on A Chemical Process And Its Applications"

Dr. Lianzhen Lin, Senior Researcher, Nano-Structured Materials Research Laboratory, KRI



nano tech 2017 Special Symposium "The current trends and challenges for industrialization of nanocellulose"
Satoshi Hirata, Nanocellulose Forum Secretary-General



New Value Generating Functional Materials

Cellulose Nanofiber Seminar (Free Entry)

Date: February 16 (Fri.) 10:30-13:25 / Venue: Material Stage (East Hall 3)

[Click here for details](#)

10:30-11:10 <Keynote Speech>

"Developments of cellulose nanofiber materials for electronics applications"

Masaya Nogi, Professor, Department of Functionalized Natural Materials,
The Institute of Scientific and Industrial Research, Osaka University

11:25-11:55 "The application development of cellulose nanofibers: High strength, high transparency sheet"

Emi Aizawa, CNF R&D Center, Innovation Promotion Division, Oji Holdings Corporation

12:10-12:40 "Development of cellulose nanofiber barrier materials for packaging and introduction to our new material, Ag nanoplate / cellulose nanofibers complex"

Yumiko Kato, TOPPAN PRINTING CO., LTD.

12:55-13:25 "Development of cellulose nanofibers for ideal applications"

Junji Nemoto, HOKUETSU KISHU PAPER CO., LTD.



Related Exhibitors

【nano tech】

[SUGINO MACHINE](#) [6J-11] : biomass nanofiber BiNF-i-s

[Chuetsu Pulp & Paper](#) [5C-13]: nanoforest, headphone SE-MONITOR5

[MORI MACHINERY](#)[6G-02]: cellulose nanofiber

[Toyama New Industry Organization](#)[6X-08]: Application development of Cellulose nanofiber

[DKS](#) [5A-08]: Cellulose Nanofiber "RHEOCRISTA"

[KRI](#) [5F-16]: New cellulose nanofiber manufacturing method

【neo functional material】

[NIPPON PAPER INDUSTRIES](#) [2G-05]: Cellulose nanofiber, MinerPa, SHIELD PLUS, Lignin

[NOASTEC Foundation / Kusano Sakko](#) [2N-01]: Fibnano (Fibrillated Bacterial Cellulose)

[SEIKO PMC](#) [3H-15]: CNF (Cellulose NanoFibers), AgNWs (AgNanowires)

[Maniwa Biochemical](#) [2F-16]: CNF (cellulose nanofiber) deodorant

[Shikoku Industry & Technology Promotion Center](#) [3K-24]

Co-Exhibitor: [Asuka](#) / [AWA PAPER & TECHNOLOGICAL COMPANY](#) / [Fujiko](#) / [heiwagenshi](#) /
[Hidakawashi](#) / [HIROSE PAPER MFG.](#) / [KOS21](#) / [Meiko Industrial](#) / [Morita Giken](#) /
[NAGAMINE MANUFACTURING](#) / [Nanao Kogyo](#) /
[SHIHEN TECHNICAL Corporation](#) / [Shikoku Kakoh](#)

[High Performance Paper Society, Japan](#) [2K-01]

Co-Exhibitor: [AWA PAPER & TECHNOLOGICAL COMPANY](#) / [DAIO PAPER](#) /
[HIROSE PAPER MFG](#) / [Hokuetsu Kishu Paper](#) / [KAMI SHOJI](#)

Visitor Registration

nano tech 2018: <http://www.nanotechexpo.jp/>

neo functional material 2018: <http://converttechexpo.com/en/>

Dates: February 14 (Wed.) - 16 (Fri.), 2018

Venue: Tokyo Big Sight East Hall

Inquiry

nano tech 2018

Organizer: nano tech executive committee / [JTB Communication Design, Inc.](#)

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neo functional material 2018

Organizer: Converting Technical Institute **Co-organizer:** [JTB Communication Design, Inc.](#)

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