



Newsletter for the Chemistry of Materials research community

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News

- ENW KLEIN and GROOT have undergone a few changes and will continue under the name ENW-M and ENW-XL. The current KLEIN-0 will continue in OC ENW-M under the name M-invest. In M-invest the assessment will be focused on scientific quality and scientific or societal impact and will be assessed in competition with M-1 and M-2 (former KLEIN-1 and KLEIN-2).
- The Vision for Chemistry 2040, which was drafted with input of the four research community councils and the Round Table Chemistry, is finished and now available [online](#). The purpose of this document is to inspire discussion within the field.
- Registration for CHAINS 2020 is now open.

Events & meetings

	When	Where	Website
CHAINS 2020	8-9 December	Digital conference	https://nwochains.nl/
Meeting Materials 2020	15 December	Digital conference	https://www.m2i.nl/meeting-materials-2020/
EUROMAT 2021	12-16 September	Graz, Austria	https://www.euromat2021.org/
E-MRS Spring Meeting 2021	31 May - 4 June	Strasbourg, France	https://www.european-mrs.com/meetings/2021-spring-meeting-0

Prizes

Title	Deadline
KNCV Polymeer Prijs	15-12-2020
DSM Materials Science Award	01-02-2021
IUPAC-SOLVAY international award for young chemists	15-02-2021
FEMS awards : Materials Innovation Medal	01-03-2021

<u>FEMS award : European Materials Medal</u>	01-03-2021
<u>FEMS awards : Materials Science and Technology Prize</u>	01-03-2021

NWO Calls

OPEN COMPETITION	TALENT	NWA	PPP / KIC*	OTHER
ENW XS Temporarily closed	Rubicon ENW 1 December	NWA – routes Continuous application	KIEM GoChem / CE 10 December	NWO GROOT Temporarily closed
ENW M Continuous application	VENI 2021 20 May	NWA – ORC Matchmaking 27 October	KIC – mission driven 7 calls open (Key Technologies, Circularity, Innovations for wind and solar energy)	Zwaartekracht 19 January
ENW XL 15 April	VIDI 2020 6 October		KIC - partnerships Opening soon	TTW Perspectief 22 October
TTW OTP Continuous application	VICI 2020 Temporarily closed		KIC – strategic collaborations Opening soon	Women in STEM 31 December
NWO Scientific meetings and consultations Continuous application				

* PPP: Public-Private Partnerships; KIC: Knowledge and Innovation Covenant

Granted projects

OPEN COMPETITION

ENW XS

Dr. E. Alarcón Lladó -	Is ordering the key to efficient electrocatalysis?
Dr. ir. A.F.C. Forner Cuenca -	The best of both worlds: blending microporosity and ion-selectivity for next-generation membranes for all-organic redox flow batteries.
Dr. S. Muraro -	Bio-inspired “bubble gum” to prevent cracks in soils.
Prof. dr. ir. M.C.M. van de Sanden -	Charging up: a plasma electrode for high throughput sustainable electrochemistry.
Dr. T. van der Sar -	“Slow magnons” – slowing down magnetic waves to the pace of a Sunday driver.
Dr. M.K. Włodarczyk-Biegun -	3D Printed Human Trabecular Meshwork.

ENW KLEIN

Prof. dr. ir. J. van der Gucht -	Malleable and recyclable materials from charged polymers.
Dr. D. Liu -	Asymmetric Oscillating Surfaces Transport Matter.
Prof. dr. S. Luding & Dr. E. Scholten -	CAPMAT: Next generation MATERIALs via controlled CAPillary suspensions.
Prof. dr. M.S. Pchenichnikov & Dr T.L.C. Jansen -	Self-assembly pathways of an artificial light harvesting complex
Prof. dr. ir. Marjolein Dijkstra -	Let’s twist again: why colloidal bananas bend and pears splay.

Ideeëngenerator

M. Cruz Saldivar -	Micro-architecture property-space and optimum functional conditions mapping of bioinspired multi-material 3D printable composites with the use of finite element method in conjunction with machine learning algorithms.
Y. Kulshreshtha -	Unfired brick made from mud and cow-dung that can regulate indoor climate.
Dr. M.J. Mirzaali -	3D printed biomimetic interfaces.
Dr. ir. M. Ramdin -	Recycling of ammonia from animal manure.

PPP/KIC

LIFT

Prof. Harry Bitter -	Removing CO ₂ from the air.
Dr. Antoni Forner-	Cuenca - Porous electrodes with functional coatings.
Dr. Ben Giepmans -	'Google biomaps' on a square nanometre.
Dr. Remco Hartkamp -	Removing ionic contaminants from water – can it be done electrically?
Dr. Arjan Houtepen -	Windows powered by luminescent nanocrystals.
Prof. Kitty Nijmeijer -	Tailor-made membranes.
Prof. Kitty Nijmeijer -	No time to waste
Prof. Ruud van Ommen -	Whirling sticky particles around.
Dr. Louis de Smet -	Robust sensors for the agricultural and food sector.

TA

Dr. Erik van der Kolk -	Managing light in greenhouses.
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IPP

Prof. Daniel Bonn -	Nanospray technology.
Prof. Bert Weckhuysen -	From CO ₂ -rich waste gas to valuable product: transforming HIsarn steel production emissions.

NWA

Prof. dr. ir. J.R. (Ruud) van Ommen -	Creating the flexible electrochemical plant of the future.
Prof. dr. J.H. (Harry) Bitter -	A sustainable way using an electrocatalytic process.
Dr. M. (Michail) Tsampas -	Next generation of water electrolyzers.

For questions, ideas and input for news items, please contact:

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For other newsletters see: Chemical Conversion, Chemistry of Life, Fundamentals and Methods