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INDUSTRY MATTERS

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Information, insights, and advice for ACS industry members

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April 15, 2021

We are re-sending this morning's email as it contains the correct photo of Dr. Anil Kumar, and apologize for any confusion this may have caused.

In ACS Boss Talk interviews over the last two years, perhaps the top trend mentioned most often by CTOs, and other executives, has been digitalization. Dow's Global Director of Digitalization, Billy Bardin, explains in remarkably clear terms what it is, why it has the attention of industry leaders, and perhaps most importantly, how it will impact your future. My thanks to Mark Jones for connecting me to Billy, and providing some questions for this ACS Boss Talk.

Should you leave an interesting job for one that offers a large pay increase, but you find less interesting? ACS Career Consultant Andrea Alexander, Technical Service and Development Manager, ShinEtsu Silicones of America, Inc., is concerned your judgment could get clouded by chasing dollar signs. She poses a series of probing questions to help you sort through what is a more complicated decision than might initially appear.

Four leaders from [Culture Biosciences](#) explain how their company enables you to design, monitor and analyze high-throughput bioreactor experiments without a bioreactor lab.

Lastly, we are introducing a new feature in this issue: "Recognizing Excellence in Industry." Our goal is to spotlight industry award winners to better appreciate important scientific achievements – and the people who made them happen. Today's story focuses on Dr. Anil Kumar, an Associate Fellow in the Optical Division at PPG Industries. He was recently recognized with the [2020 ACS Award for Creative Invention](#), sponsored by [ACS Corporation Associates](#).

John C. Katz
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ACS BOSS TALK



Billy Bardin
Global Digitalization Director
Dow Inc

Dow's Global Director of Digitalization, Billy Bardin, explains digitalization in remarkably clear terms: What it is, why it has the attention of industry leaders, and perhaps most importantly, how it will impact your future. [Go to Article](#)

CAREER PERSPECTIVES



Andrea Alexander

Technical Service & Development
Manager, RTV Elastomers
Shin-Etsu Silicones of America

Should you leave an interesting job for one that offers a large pay increase, but you find less interesting? ACS Career Consultant Andrea Alexander has some questions that will help you reach the right decision. [Go to Article](#)

INNOVATION ZONE



Will Patrick

Co-Founder & CEO, Culture Biosciences

Matt Ball

Co-Founder & CTO, Culture Biosciences

Four leaders from [Culture Biosciences](#) explain how their company enables you to design, monitor and analyze high-throughput bioreactor experiments without a bioreactor lab.

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RECOGNIZING EXCELLENCE IN INDUSTRY



Anil Kumar

Associate Fellow
Optical Division, PPG

Anil Kumar, an Associate Fellow in the Optical Division at PPG Industries, was recognized with the [2020 ACS Award for Creative Invention](#) (sponsored by [ACS Corporation Associates](#)). Learn about how his work in photochromism and variable polarization led to this award.

[Go to Article](#)

"Fundamentally, digitalization is about connecting data from numerous and varied sources in a seamless manner that enables someone or some entity to derive new knowledge, and then use that knowledge to facilitate an action. That data can be derived from existing systems, new sensors, robots, unmanned aerial vehicles, simulations, or numerous other sources. The connectivity of data allows for enterprise and value chain wide optimization that ensures the optimum use of resources."

– Billy Bardin, Global Digitalization Director, The Dow Chemical Company

Congratulations to Anastasia Patterson, randomly selected winner of a \$50 gift card for participating in our reader survey!

Thank you Anastasia, and all other survey participants, for providing your feedback. We continuously strive to make the newsletter a valuable member resource.



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Register for the 2021 Chemical Ventures Conference

Register to attend CVC 2021! Chemical Ventures Conference is happening virtually May 18 – 19. Join industry leaders, researchers, chemical start-ups, venture capitalists, and angel investors at the 2021 Chemical Ventures Conference. Learn more and sign up to get the latest updates. [Register today and invite others.](#)

Register for a Virtual ACS Industry Career Day April 24!



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VIRTUAL

ACS Industry Career Day

SATURDAY, APRIL 24
11 AM ET

Join experts for a FREE ACS Virtual Career Day for early-career chemists and students considering a career in industry on Saturday, April 24 at 11 am ET. Get career-boosting advice, learn about the career paths available in industry, and get your questions answered from an all-star panel of chemical industry professionals. [Register today!](#)

Upcoming from ACS Webinars



Wednesday, 4/21, join Patricia Simpson of Game Changing Etiquette and the University of Illinois as she explains why being able to make strategic decisions quickly is essential for employees at all levels. During this free interactive webinar, discover what one can do to build business acumen in order to be recognized, valued, and respected within an organization...while also being instrumental in that organization's success! This ACS Webinar is moderated by Matt Grandbois, DuPont Electronics & Industrial and co-produced with the ACS Division of Professional Relations. [Register for free!](#)

Thursday, 4/22, join us for a special Chemists Celebrate Earth Week webinar with Global Expertise Principal, Rich Helling of Dow, as he shares how great insights are possible with simple calculations. During this free interactive broadcast, discover how through employing life cycle thinking, we can better understand the compromises and trade-offs we all make towards a more sustainable world. This ACS Webinar is moderated by David Constable of the American Chemical Society and is co-produced with the ACS Green Chemistry Institute and the ACS Committee on Community Activities for the Chemists Celebrate Earth Week campaign. [Register for free!](#)

Did you miss a webinar or want to view one again? ACS members have exclusive access to our expansive library of recordings. Visit the [webinar archives](#) to catch up on the latest recordings.

Discover Cutting-Edge Science During MARM 2021 - Registration Open

[Register](#) to join chemistry professionals, educators, and students for the 2021 virtual [Middle Atlantic Regional Meeting](#) (MARM), June 9-12. Discover and share research, participate in live virtual discussions and networking opportunities during the virtual poster sessions, and enhance your career all from the comfort of your home. [Register](#) by April 28 to take advantage of the early registration rate!

Registration Now Open for GLRM 2021!

Registration for the [2021 Virtual Great Lakes Regional Meeting \(GLRM\)](#) is open! The virtual meeting will bring together chemists, students, and educators in a virtual format, including technical symposia, flash talks in place of poster presentations, workshops, a career fair, networking opportunities, and award ceremonies. Workshops and events for GLRM will begin as early as June 5 and ending June 10, while the Technical Program will take place June 6-9. [Register](#) by May 3 to take advantage of the early registration rate!

LC/GC Bootcamp - Hands-on Chromatography Master Class

The "LC/GC Bootcamp - Hands-on Chromatography Master Class" will teach you everything you need to know to operate HPLCs and/or GCs, develop methods and troubleshoot. Our 18 lectures on chromatography theory and applications accompany 12 hands-on labs where you will disassemble, assemble, and experiment with the dozens of HPLCs and GCs in our laboratory. The bootcamp also includes time networking and other energy-boosting activities. Space is limited, [register today!](#)

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ACS Career Consultant Virtual Office Hours TODAY



Advance your career on the fly! Join an upcoming Virtual Office Hours with ACS Career Consultants, every Thursday at 12 pm, ET, for casual small-group networking with fellow ACS members and convenient career advice. [Register for free!](#) Schedule a 1:1 session with an ACS Career Consultant for personalized answers about resume writing, video interviewing, optimizing your LinkedIn profile, and more. ACS Members only. [Find a Career Consultant](#) and schedule your free career consultation today!

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