

**ADVANTECH US**

Inventors of **amax**  
Evaporation Printing

**FEBRUARY 2017 NEWS**

## Advantech Welcomes New Hire To Lead Shadow Mask Center of Excellence



We are excited and privileged to announce the latest addition to our team, Dr. George Chen, Manager, Shadow Mask Center of Excellence. He will be leading our Center of Excellence focused on making precision shadow masks for the Advantech U.S. Evaporation Printing process. He will also be supporting the growth of mobile OLED display manufacturing in Asia. George will focus on developing state-of-the-art electroforming processes to fabricate ultra-high definition shadow masks in Pittsburgh, PA and transfer the manufacturing process to volume production for international markets.

George has been brought on to carry out our vision of designing and delivering shadow masks for the additive manufacturing process of patterning thin film materials for the next generation of OLED displays and embedded electronics applications. This gives us the opportunity to vertically integrate the Shadow Mask Manufacturing with our Mechatronics and Thin Films and Embedded Components, Centers of Excellence.

George has thirty-two years of experience in design, process development and production scaling for electroplating systems and high vacuum deposition systems and thin film process development, including physical vapor deposition (PVD), chemical vapor deposition (CVD). His innovations in electroplating and thin film technologies have resulted in sixteen US patents. He has held senior engineering and scientist positions in several multi-national companies. George holds a PhD in Materials Science & Engineering from the State University of New York at Stony Brook and has done Postdoctoral Research at Oak Ridge National Laboratory.

*He is enthusiastic & excited about our technology approach that will involve him early in the product development cycle and utilize his experience and skills to move from R&D into production.*

*Welcome George! Reach out to him at 412.706.5427 or [gchen@advantechus.com](mailto:gchen@advantechus.com)*

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