Program
of The 3rd International Symposium on Coatings on Glass and Plastics
(The 3rd Mini-ICCG*)
April 4 & 5, 2019  IVYHALL, Aoyama Gakuin University

Note1: There is still a possibility of some changes in the program due to the personal reasons of the presenters.

<Thursday, April 4, 2019>
8:00~9:00  Registration
9:00~9:30  Opening (Introduction of ICCG, AIOT and presenters)

----- Introductory Session (General & Market Overview) ------

Session chairman: Jorma Vitkala, Koichi Suzuki
9:30~10:20  P1- Michael Robinson (Consultant, Italy)
“Digital Disruption, How AI is Entering our Companies?”

10:20~10:40  Coffee break
10:40~11:30  P2- Mr. Michael Robinson (Consultant, Italy)
“Next-Gen Automotive Glass Trends”
11:30~12:20  P3- Dr. Lukas Enke (Volkswagen Japan, Japan)
“Glass coatings for automotive applications”

12:20~13:20  Lunch

Session chairman: Manuela Junghaehnel, Kazuhiro Kato
13:20~14:10  P4- Prof. MunPyo Hong (Korea University, Korea)
“The future of display technologies: Wearable & stretchable”

14:10~15:00  P5- Mr. Jorma Vitkala (Chairman of GPD/Glaston, Finland)
“World trend of glass processing market and technology”

15:00~15:20  Coffee break

--------- Session1: Advanced vacuum process ---------

Session chairman: Bernd Szyszka,
15:20~16:10  P6- Guenter Braeuer (Director of FaunhoferIST, Germany)
“Sputtering technology – recent developments and application examples”

16:10~17:00  P7- Dr. Manuela Junghaehnel (Fraunhofer FEP, Germany)
“Perspectives of Innovative PVD Coatings on Flexible Glass in Sheet-to-Sheet and Roll-to-Roll Processes”

17:00~17:50  P8- Dr. Volker Sittinger (FraunhoferIST, Germany)
“Route to optimized aluminum-doped zinc oxide films from metallic rotatable sputter targets on large area for thin film photovoltaic modules”

18:00~20:00  Welcome reception at Aron of IVYHALL with poster presentation!!
<Friday, April 5, 2019>
9:00~9:10 Opening of the 2nd day

------------ Session2: Atmospheric pressure process ------------
Session chairman: Volker Sittinger, Kazuhiro Kato
9:10~10:00 P9- Dr. Joerg Puetz (Carl Zeiss Vision, Germany)
“Optical Polymers and Coatings for Ophthalmic Applications”
10:00~10:50 P10- Dr. Sebastian Gatz (Meyer Burger Germany)
„Enhanced high-throughput PECVD coatings and InkJet printing technologies for glasses and plastics”
10:50~11:10 Coffee break

------------ Session3: Film growth, metrology, process control, simulation ------------
Session chairman: Johana Kuncova-Kallio, Yuzo Shigesato
11:10~12:00 P11- Dr. Bernd Szyszka (Berlin Technical University, Germany)
“Recent material and process innovation for large area coatings - a viewpoint from photovoltaics”

------------ Session4 Energy conversion, lighting, display ------------
12:00~12:50 P12- Prof. Hui Ye (Zhejiang Univ., China)
“TCO/metal/TCO sandwich structures and their application in optoelectronics”
12:50~13:50 Lunch
Session chairman: Joerg Putz, Koichi Suzuki
13:50~14:30 P13- Dr. Manuela Junghaehnel (Fraunhofer FEP, Germany)
“Flexible Electronics – Markets, Trends and Aspects in Manufacturing”

------------ Session5: Optics, Sensors, life science, packaging ------------
14:30~15:20 P14- Dr. Johana Kuncova-Kallio (CEO, BioNavis, Finland)
“Re-inventing industries with nano-technologies: From high volume to high-value products”
15:20~15:40 Coffee break
Session chairman: Hui Ye, Yuzo Shigesato
15:40~16:30 P15- Dr. Georg Ockenfuss (Viavi Solutions, USA)
“Development in Optical Sensing in the Customer Electronic, Medical and Automotive markets”

------------ Session6: Automotive and architectural glazing ------------
16:30~17:10 P16- Timo Saukko, Finnglass Oy, Finland
“Electrically heatable glass and cold climate”

17:10~18:10 Panel discussion on “The future of automotive glass and plastics”
Panelists (Nominated with possibility of change):
Mr. Robinson (Car designer), Dr. Enke (VW), Mr. Miyagawa (AGC)
Moderator: Prof. Braeuer (Director of FraunhoferIST / ICCG chairman)
18:10~18:30 Closing
“Invitation to ICCG13” by Dr. Volker Sittinger (FraunhoferIST)
18:40~20:30 Get-together party with poster presentation at Aron of IVYHall

# The following papers are included in the proceedings although their aural
presentations were cancelled due to their personal reasons.

-Dr. Roland Trassl (Applied Material Web Coating, Germany)
  “Roll-to-Roll Processing of Flexible Devices and Components Used in Mobile & Wearable Electronics and the Coming IoT Era”

-Dr. WANG Shi-Jie (Institute of Materials Research and Engineering, Singapore)
  “Functional glass coatings for green building applications”

-Prof. Dr. Şener Oktik (ŞİŞECAM Science & Technology Center)
  “Development in Optical Sensing for Consumer Electronic, Medical and Automotive Markets” (Only abstract was allowed to be printed.)