



[TuPM1-03] Analytical Raman Techniques / Instrumentations-05	
Date / Time	Aug. 28 (Tue.), 2018 / 14:30-16:30
Place	Halla B (Room B)
Session Chair	Lei Geng (University of Iowa, USA)

[TuPM1-03-I-1] (Invited) 14:30-14:50
Real Colour Raman Spectroscopy with a DSLR Photocamera for Educational Purposes
Wolfgang Kiefer
University of Würzburg, Germany and Eisingen Laboratory for Applied Raman Spectroscopy (ELARS), Germany

[TuPM1-03-I-2] (Invited) 14:50-15:10
Optical Sensor for Medical Needle Guidance
 Jeon Woong Kang¹, T. Anthony Anderson², and Peter T. C. So¹
¹Massachusetts Institute of Technology, USA, ²Massachusetts General Hospital, USA

[TuPM1-03-I-3] (Invited) 15:10-15:30
Non-Invasive Quantitation of Atorvastatin during Pharmaceutical Manufacturing Process Using Transmission Raman Spectroscopy
Jaejin Kim
Chong Kun Dang Pharm, Korea

[TuPM1-03-O-4] 15:30-15:45
Multi-Component (n>10) Simultaneous Analysis of Supplement Tablet by Raman Multivariate Curve Resolution
Masahiro Ando^{1,2}, Chihiro Kato³, Tomoko Hashimoto³, and Hiro-o Hamaguchi^{4,5}
¹JST, Japan, ²Waseda University, Japan, ³Kanagawa Institute of Industrial Science and Technology, Japan, ⁴National Chiao-Tung University, Taiwan, ⁵Spectroscopic Science Laboratory Co., Japan

[TuPM1-03-O-5] 15:45-16:00
Raman Spectroscopy in Food Contact Materials Industry: A Preliminary Spectroscopic Study of NIAS in LDPE Pellets and Extruded Films
Portesi Chiara¹, Visentin Davide², V. Maurino³, and Rossi Andrea Mario¹
¹Istituto Nazionale di Ricerca Metrologica, Italy, ²Plastotecnica SpA, Italy, ³University of Torino, Italy

[TuPM1-03-O-6] 16:00-16:15
Application of Raman Spectroscopy for Analysis of Natural Gas Composition
D. V. Petrov^{1,2}, I. I. Matrosov¹
¹Institute of Monitoring of Climatic and Ecological Systems SB RAS, Russia, ²Tomsk State University, Russia

[TuPM1-03-O-7] 16:15-16:30
The Benefits of Raman Spectroscopy to Monitor Water Quality Near Transportation Infrastructures. From Qualitative Appreciation to the Identification of Organic Pollutants Traces
 Marchetti Mario^{1,2}, Kauffmann Thomas², Fontana Marc², Saidi Sarah², Bourson Patrice², Jobard Céline², Branchu Philippe³, Casteran Guillaume⁴, and Saintot Bruno¹
¹Cerema, France, ²Université de Lorraine, France, ³Cerema Ile de France, France, ⁴Direction Générale de l'Aviation Civile, France