

IVMSP 2020

IEEE 14th Image, Video,
and Multidimensional
Signal Processing
Workshop

23-26 June 2020
Nafplio, Greece



General Chair

Athanassios Skodras, GR

General Co-Chairs

Petros Maragos, GR

Thrasos Pappas, US

Technical Program Chairs

Tasos Dagiuklas, UK

Eduardo A. B. da Silva, BR

Plenary Sessions Chairs

Nikos Boulgouris, UK

Amy Reibman, US

Special Sessions Chairs

Kjersti Engan, NO

Kostas Plataniotis, CA

Publicity Chairs

Dimitris Ampeliotis, GR

Karel Fliegel, CZ

Publications Chair

Vassilis Fotopoulos, GR

Finance Chair

Kosta Giannakopoulos, GR

Industrial Liaisons

John Apostolopoulos, US

Ioannis Katsavounidis, US

Béatrice Pesquet, FR

Christian Timmerer, AT

Anthony Vetro, US

International Liaisons

Jing Dong, CN

Alex Kot, SG

W. C. Siu, HK

Henry Wu, AU

Advisory Board

Mauro Barni, IT

Kostas Berberidis, GR

Moncef Gabbouj, FI

Aggelos Katsaggelos, US

C.-C. Jay Kuo, US

Nikos Paragios, FR

Fernando Pereira, PT

Ioannis Pitas, GR

Saeed Sanei, UK

Tieniu Tan, CN

Sergios Theodoridis, GR

Application of Latest Advances in Audio-Visual and Sensorial Technologies for Performing Arts and Culture

SHOW & TELL

Call for Contributions

The 2020 IEEE 14th Image, Video, and Multidimensional Signal Processing Workshop (IVMSP 2020) will be held in June 23-26, 2020 in Nafplio, the capital of the first Hellenic Republic (Greece). It will bring together leading experts from academia and industry to share the most recent and exciting advances in image, video, and multidimensional signal processing and analysis.

Recent years have shown a rapid technological progress in high resolution of audio-visual content acquisition, and high quality of its processing, management and distribution, as well as increasing ease of developing associated networked applications and services in nearly all domains of our lives, from entertainment to serious applications like e-health, education, security etc. Recently they started to find also exposure in Culture and Arts. Initially they took advantage of opportunities created by 3D digitization technologies, allowing the preservation of sensitive pieces of art, their recreation using 3D printing and hence easing their accessibility to scholars and the public.

Digitization technologies along with user-friendly applications offer enormous opportunities for less-technically proficient users to take advantage of such content to produce impressive, realistic and immersive results, not surprising that Artists were one of the first ones to embrace such an opportunity despite their initial reservations, leading to the dramatic growth in technology enhanced artistic creativity, from interactive installations to collaborative theatrical performances, not to mention mixed-reality shows employing augmentations and virtual environments.

This Show & Tell session aims at complementing main technological subject areas of the conference with presentations of practical uses of latest digital audio-visual advances in the domain of Arts and Culture, with special attention to the use of interactive technologies in Collaborative Performing Arts, such as wearables (sensors and actuators), robotics, mixed-reality environments, stimulating natural human senses to create a near-real feeling of immersion into synthetic worlds.

PAPER SUBMISSION

The language of the Workshop is English. Each initial Show & Tell submission must contain both a paper of 2-4 pages detailing the demonstration and a video illustrating what is going to be shown. The paper (including references) has to follow the format defined in the paper preparation guidelines as detailed in the "IVMSP 2020 Author's Kit". The video can simply be recorded with a mobile phone or alike. Submissions will be evaluated by the organising committee for relevance, originality, clarity, and significance of the proposed demonstration. At least one author of each accepted submission must register for and attend the conference, and demonstrate the system during the Show & Tell sessions.

Each accepted Show & Tell paper will be included in the conference proceedings, marked as a Show & Tell paper. Furthermore, a final video, which is to be submitted by the final paper deadline, will be made publicly available. Show & Tell demonstrations will be presented in their dedicated time slot in the conference program.

SPECIAL SESSION ORGANISERS

- Dr Emmanouela Vogiatzaki, University of Peloponnese, Greece
- Dr Artur Krukowski, Intracom SA, Greece

IMPORTANT DATES

- Submission of full papers – April 2, 2020
- Notification of acceptance – April 20, 2020
- Author advance registration – May 2, 2020
- Camera-ready paper submission – May 2, 2020

