

INTERNATIONAL CONFERENCE

**3D DNA OF HUMAN MOTION**

**(In the Intersection between Technologies, Humanities and Health)**

**CONFERENCE PROGRAMME**

**23-24 April 2026**

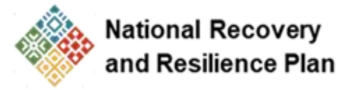
Institute of Ethnology and Folklore Studies with Ethnographic Museum

Bulgarian Academy of Sciences

6A Moskovska str., “Winter Garden” Hall

Sofia, Bulgaria

*Scientific project BG-RRP-2.011-0008-C01 “3D Cultural Heritage Data Through Three-Dimensional, Automated, Science-Based Digitization”, funded by the European Union – NextGenerationEU, through the Recovery and Resilience Facility to implement an investment under C2.I2 “Enhancing the innovation capacity of the Bulgarian Academy of Sciences (BAS) in the field of green and digital technologies” of the Recovery and Resilience Plan.*



The conference will be held with the financial support of the European Union – NextGenerationEU, through the Recovery and Resilience Facility to implement an investment under C2.I2 “Enhancing the innovation capacity of the Bulgarian Academy of Sciences (BAS) in the field of green and digital technologies” of the Recovery and Resilience Plan.

## **ORGANISATION COMMITTEE**

Chair: Assist. Prof. Julia Popcheva, PhD (IEFSEM – BAS)

Members: Assist. Prof. Ivaylo Parvanov, PhD (IEFSEM – BAS), Assoc. Prof. Anna Starbanova, PhD (IEFSEM – BAS), Assoc. Prof. Veselka Toncheva, PhD (IEFSEM – BAS), Prof. Antoniya Yanakieva, PhD (Medical University – Sofia), Assoc. Prof. Vanina Mihaylova-Alakidi, PhD (Medical University – Sofia), Assoc. Prof. Galya Pavlova (TU – Sofia), Yoana Cholakova, MD, Peter Toshev.

For more information about IEFSEM – BAS (Institute of Ethnology and Folklore Studies with Ethnographic Museum at the Bulgarian Academy of Sciences), visit: <https://iefem.bas.bg/>

*Scientific project BG-RRP-2.011-0008-C01 “3D Cultural Heritage Data Through Three-Dimensional, Automated, Science-Based Digitization”, funded by the European Union – NextGenerationEU, through the Recovery and Resilience Facility to implement an investment under C2.I2 “Enhancing the innovation capacity of the Bulgarian Academy of Sciences (BAS) in the field of green and digital technologies” of the Recovery and Resilience Plan.*

**PROGRAMME**

**April 23, 2026  
(Thursday)**

**ONLINE ACCESS**

**(Timeline according to Eastern European Summer Time (EEST) – GMT+3):**

<https://us02web.zoom.us/j/86275401666?pwd=cabY7TRtaoE7qxHU3bRrDFLnQzu8X4.1>

Meeting ID: 862 7540 1666

Passcode: 679461

**9.30 – 10.00** Registration

**10.00 – 10.30** Conference opening

**10.30-11.10** **Keynote Speech:**

**FROM MOVEMENT TO MOTOR BEHAVIOUR: A STANDARDIZED PROTOCOL FOR ETHICALLY AND EPISTEMICALLY JUSTIFIED DIGITIZATION OF MOTOR CULTURE PRACTICES**

Assist. Prof. Ivaylo Parvanov (on-site)

*IEFSEM – BAS (Bulgaria)*

**11.10-11.30** Discussion

11.30-11.45 Coffee Break

**SESSION 1**

**11.45-12.05** FROM CULTURAL CAPITAL TO COMPETITIVE ADVANTAGE: AI AND DIGITAL INVESTMENTS IN NATIONAL HERITAGE SYSTEMS

Tatjana Dragičević Radičević, PhD (online)

PhD Srđan Novaković, PhD

*University Business Academy in Novi Sad (Republic of Serbia)*

**12.05-12.25** BOD(AI) IMAGE. THE INFLUENCE OF ARTIFICIAL INTELLIGENCE ON BEAUTY STANDARDS

Assist. Prof. Iliana Strahilova, PhD (on-site)

*Sofia University “St. Kliment Ohridski” (Bulgaria)*

*Scientific project BG-RRP-2.011-0008-C01 “3D Cultural Heritage Data Through Three-Dimensional, Automated, Science-Based Digitization”, funded by the European Union – NextGenerationEU, through the Recovery and Resilience Facility to implement an investment under C2.I2 “Enhancing the innovation capacity of the Bulgarian Academy of Sciences (BAS) in the field of green and digital technologies” of the Recovery and Resilience Plan.*

**12.25-12.45** SYNTHETIC PERFORMERS: AI-GENERATED SINGERS, VIRTUAL INFLUENCERS, AND THE RECONFIGURATION OF CULTURAL AUTHENTICITY IN THE AGE OF GENERATIVE MEDIA  
Assoc. Prof. Houssine Soussi, PhD (online)  
*The National School of Business and Management of Dakhla, University of Ibnou Zohr (Morocco)*

**12.45-13.15** Discussion

13.15-14.00 Lunch Break

## SESSION 2

**14.00-14.20** FROM INSTINCT TO ANTICIPATION: QUANTIFYING HUMAN CONTROL STRATEGY IN HIGH-PERFORMANCE DRIVING  
Nina Dimova, PhD Candidate (online)  
*University of Oxford (United Kingdom)*

**14.20-14.40** THE IT IN ETHNOCHOREOLOGY  
Assoc. Prof. Galya Pavlova, PhD (online)  
*Technical University Sofia (Bulgaria)*  
Peter Toshev  
*IEFSEM – BAS (Bulgaria)*

**14.40-15.00** EXPLORING VISUALIZATION APPROACHES TO ENHANCE BIG DATA UNDERSTANDING  
Sufia Shaheen, M.S. (online)  
*Harrisburg University of Science and Technology (USA)*

**15.00-15.30** Discussion

15.30-15.45 Coffee Break

15.45-17.00 A visit in the National Ethnographic Museum (the conference hosting institution)

*Scientific project BG-RRP-2.011-0008-C01 “3D Cultural Heritage Data Through Three-Dimensional, Automated, Science-Based Digitization”, funded by the European Union – NextGenerationEU, through the Recovery and Resilience Facility to implement an investment under C2.I2 “Enhancing the innovation capacity of the Bulgarian Academy of Sciences (BAS) in the field of green and digital technologies” of the Recovery and Resilience Plan.*

## PROGRAMME

April 24, 2026  
(Friday)

### ONLINE ACCESS

(Timeline according to Eastern European Summer Time (EEST) – GMT+3):

<https://us02web.zoom.us/j/87305294539?pwd=i2zMlEn4LbllCpoki5dTEaNultN8JG.1>

Meeting ID: 873 0529 4539

Passcode: 462170

#### 10.00-10.40 Keynote Speech:

DANCE AS A FORM OF PHYSICAL ACTIVITY AND A HEALTH INTERVENTION:  
PHYSIOLOGICAL, PSYCHOLOGICAL, AND COGNITIVE EFFECTS

Assoc. Prof. Vanina Mihaylova, PhD, Assoc. Prof. Inna Ivanova, PhD, Assist. Prof. Adolf Alakidi, Stoyan Bivolarski (on-site)

*Medical University – Sofia (Bulgaria)*

#### 10.40-11.00 Discussion

#### 11.00-11.15 Coffee Break

### SESSION 3

#### 11.15-11.35 MEASURING DANCE: WHAT PHYSIOLOGICAL AND MOTION DATA CAN REVEAL ABOUT TRADITIONAL GROUP DANCE

Yoana Cholakova, MD (online)  
*Medical University – Sofia (Bulgaria)*

#### 11.35-11.55 MUSIC THERAPY AND REHABILITATION – POINTS OF INTERSECTION: A BRIEF REVIEW

Assoc. Prof. Inna Ivanova, PhD (online)  
Assoc. Prof. Vanina Mihaylova-Alakidi, PhD  
*Medical University – Sofia (Bulgaria)*

*Scientific project BG-RRP-2.011-0008-C01 “3D Cultural Heritage Data Through Three-Dimensional, Automated, Science-Based Digitization”, funded by the European Union – NextGenerationEU, through the Recovery and Resilience Facility to implement an investment under C2.I2 “Enhancing the innovation capacity of the Bulgarian Academy of Sciences (BAS) in the field of green and digital technologies” of the Recovery and Resilience Plan.*

**11.55-12.15** VIRTUAL REALITY AND THE DIGITIZATION OF PERFORMANCE:  
EXPANDING ACCESS TO CULTURAL HERITAGE IN HOSPICE CARE

Elisa Smeraldo, PhD Candidate (online)  
*University of Rome La Sapienza (Italy)*

**12.15-12.45** **Discussion**

12.45-13.30 Lunch Break

**SESSION 4**

**13.30-13.50** DIGITAL DANCE PRACTICES AS CULTURAL MARKERS IN ONLINE  
GAMES

Assist. Prof. Vasil Baltadzhiev, PhD (on-site)  
*Sofia University "St. Kliment Ohridski" (Bulgaria)*

**13.50-14.10** MAPPING THE 3D DNA OF BACHATA: MOTION CAPTURE,  
PHYSIOLOGICAL RESPONSE, AND DIGITAL TWINS IN SOCIAL DANCE  
PRACTICE

Slavi Slavchev, PhD Student (online)  
*IEFSEM – BAS (Bulgaria)*

**14.10-14.30** 3D DIGITIZATION OF INSTRUMENTAL MUSIC-MAKING: NEW  
PERSPECTIVES IN ETHNOMUSICOLOGY

Assoc. Prof. Veselka Toncheva, PhD (on-site)  
*IEFSEM – BAS (Bulgaria)*

**14.30-14.50** 3D DNA OF ARCHIVING – PRESERVING INTERDISCIPLINARY DATA SETS  
ON COLLECTIVE CULTURAL PRACTICES

Assist. Prof. Julia Popcheva, PhD (on-site)  
*IEFSEM – BAS (Bulgaria)*

**14.50-15.20** **Discussion**

15.20-15.30 Coffee Break

**15.30-16.00** **Conference Closing Remarks (End of the event)**

*Scientific project BG-RRP-2.011-0008-C01 "3D Cultural Heritage Data Through Three-Dimensional, Automated, Science-Based Digitization", funded by the European Union – NextGenerationEU, through the Recovery and Resilience Facility to implement an investment under C2.I2 "Enhancing the innovation capacity of the Bulgarian Academy of Sciences (BAS) in the field of green and digital technologies" of the Recovery and Resilience Plan.*