

# HAIPER

# ISPAS

INTERNATIONAL SOCIETY  
OF PERFORMANCE  
ANALYSIS OF SPORT



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HAIPER 2026

*Festival of AI, High Performance in Sport, Health & Longevity*

## WELLNESS, FITNESS & PARA- SPORT DAY

*Schedule*

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*Powered by*

**15th ISPAS World Congress of Performance Analysis of Sport**

**Wednesday · 13 May 2026**

Radisson Blu Resort & Spa

*Split, Croatia*

## Organizers, Partners & Patrons

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HAIPER 2026 · Wellness, Fitness & Para-Sport Day

### Organizers

Organizatori

#### Regional Scientific Centre Adriatic — at the Centre of Excellence of Split-Dalmatia County

*Regionalni znanstveni centar Adriatic pri Centru izvrsnosti Splitsko-dalmatinske županije*

#### International Society of Performance Analysis of Sport (ISPAS)

*15th ISPAS World Congress of Performance Analysis of Sport*

#### European Institute for Talents, Education, Research & Development

*Europski institut za talente, obrazovanje, istraživanje i razvoj*

### In Cooperation with Partner Institutions

*U suradnji s partnerskim institucijama*

- **Faculty of Kinesiology, University of Split** · *Kineziološki fakultet, Sveučilište u Splitu*
- **School of Medicine, University of Split** · *Medicinski fakultet, Sveučilište u Splitu*
- **Faculty of Forensic Sciences, University of Split** · *Fakultet forenzičkih znanosti, Sveučilište u Splitu*
- **Faculty of Health Studies, University of Split** · *Fakultet zdravstvenih studija, Sveučilište u Splitu*
- **Tallinn University, Estonia**
- **Universidad de Alicante, Spain**
- **Polytechnic "Nikola Tesla" Gospić** · *Veleučilište "Nikola Tesla" u Gospiću*
- **Croatian Paralympic Committee** · *Hrvatski paraolimpijski odbor*
- **Croatian Football Federation (HNS)** · *Hrvatski nogometni savez*
- **Association for the Establishment of the Split Sports Museum** · *Udruga za osnivanje Muzeja sporta grada Splita*
- **Sports Federation Community of Split-Dalmatia County** · *Zajednica sportova i udruga Splitsko-dalmatinske županije*
- **Para-Sport Federation of Split-Dalmatia County** · *Parasportski savez Splitsko-dalmatinske županije*
- **Split Sports Federation** · *Splitski savez sportova*
- **Para-Sport Federation of the City of Split** · *Parasportski savez Grada Splita*
- **Larus Sport d.o.o.**
- **International Network of Health & Sport Science**

### Under the Auspices of

*Pokrovitelji*

- **President of the Republic of Croatia** · *Predsjednik Republike Hrvatske*
- **Ministry of Tourism and Sport of the Republic of Croatia** · *Ministarstvo turizma i sporta Republike Hrvatske*
- **Ministry of Science, Education and Youth** · *Ministarstvo znanosti, obrazovanja i mladih*
- **Croatian Diabetes Association** · *Hrvatski savez dijabetičkih udruga*
- **Split-Dalmatia County** · *Splitsko-dalmatinska županija*
- **City of Split** · *Grad Split*
- **Tourist Board of the City of Split** · *Turistička zajednica Grada Splita*
- **Gyms4you**
- **Golden Dart**

# About this Day

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The Wellness, Fitness & Para-Sport Day brings together international keynotes, hands-on diagnostic workshops, a dedicated Fitness & Health stream led by Gyms4you, and a Para-Sport stream chaired by Lidija Petrinović. In parallel, paper presentation sessions run in Halls 3 and 4, and a poster session takes place in the lobby.

*All sessions take place at Radisson Blu Resort & Spa Split. Working language is English in Halls 1, 3 and 4. The afternoon Para-Sport session in Hall 2 – Ružmarin is delivered in Croatian.*

## Day at a glance

- 09:00 – 11:00 Keynote Block 1 (Hall 1 – Oleandar)
- 11:15 – 14:15 Workshops (Hall 1 – Oleandar) & International Doctoral School running in parallel (Hall 2 – Ružmarin)
- 13:00 – 14:00 Poster Session (Lobby)
- 16:00 – ~19:30 Four parallel afternoon streams (Halls 1, 2, 3, 4)

# WEDNESDAY · 13 MAY 2026

Wellness, Fitness & Para-Sport Day

Time	Speaker	Title	Institution
<b>HALL 1 – OLEANDAR · KEYNOTE BLOCK 1</b>			
<i>Chair: Goran Munivrana, Dino Mujkić · Capacity: 120 · Language: English</i>			
<b>08:30 – 09:00</b>	<i>Participant Registration</i>		
<b>09:00 – 09:30</b>	<b>Karim Chamari</b>	Exercise Training Interventions as Therapeutic Approaches in Substance Use Disorder Treatment	<i>Naufar Wellness and Recovery Center, Doha, Qatar · Institut Supérieur du Sport et de l'Éducation Physique de Ksar-Said, Tunis</i>
<b>09:30 – 10:00</b>	<b>Tsung-Min Hung</b>	EEG Neurofeedback Training for Optimizing Motor Performance	<i>Department of Physical Education and Sport Sciences, National Taiwan Normal University · Section editor, International Journal of Sport &amp; Exercise Psychology (SSCI)</i>
<b>10:00 – 10:30</b>	<b>Guillaume Martinet</b>	Digitalization & Motivation in Physical Activity	<i>University Claude Bernard Lyon I – UFR STAPS · Laboratory on Vulnerabilities and Innovation in Sport (L-VIS)</i>
<b>10:30 – 11:00</b>	<b>Yaodong Gu</b>	The Biomechanics of Running Shoes — From Frontier Exploration to Translational Development	<i>Ningbo University, Ningbo, China</i>
<b>11:00 – 11:15</b>	<i>Coffee Break</i>		

Time	Speaker	Title	Institution
<b>HALL 1 – OLEANDAR · WORKSHOPS</b>			
<i>Chair: Davorin Antonić · In parallel: International Doctoral School in Hall 2 – Ružmarin</i>			
<b>11:15 – 12:15</b>	<b>Davorin Antonić</b>	Workshop 1 — Contemporary Technologies in Sports Diagnostics (New Perspectives)	<i>Laruss Sport d.o.o.</i>
<b>12:15 – 13:15</b>	<b>Luca Cocco</b>	Workshop 2 — Functional Diagnostics: Photocells, OptoJump, OptoGait, etc.	<i>Microgate</i>
<b>13:15 – 14:15</b>	<b>William Allhuisen</b>	Workshop 3 — Accelerators and Related Technologies	<i>Motion 1080</i>



**LOBBY · POSTER SESSION**

<b>Time</b>	<b>Speaker</b>	<b>Title</b>	<b>Institution</b>
<b>13:00 – 14:00</b>	<b>Victor Romano</b> <b>Boris Bazanov</b> <b>Ernest Šabić</b> <b>Elen Beth Williams</b> <b>Ana Kezić</b> <b>Dražen Čular</b> <b>Karla Radić</b> <b>Marijana Čavala</b>	Poster Session P1 — Multiple poster presentations (see main programme for details)	<i>Various institutions</i>
<b>14:15 – 16:00</b>	<i>Lunch Break</i>		

## Afternoon · Four Parallel Halls

From 16:00 the programme runs in four halls in parallel. Participants may move between halls.

Time	Speaker	Title	Institution
<b>HALL 1 – OLEANDAR · FITNESS &amp; HEALTH</b> <i>Chair: Goran Špaleta · Capacity: 120 · Language: English</i>			
16:00 – 16:45	<b>Goran Špaleta Ivana Andačić</b>	Opening Keynote & Discussion: "The Evolution of Fitness and Personal Training: A Modern Industry Perspective (Case Study: Gyms4you)"	<i>Gyms4you</i>
16:45 – 17:30	<b>Olga Laković Bilać</b>	Effective Communication in the Fitness Industry: Building Trust, Retention, and Brand Value	<i>Gyms4you</i>
17:30 – 18:15	<b>Gyms4you Group Training Team</b>	Group Training in the Modern Fitness Industry: Trends, Engagement, and Scalability	<i>Gyms4you</i>
18:15 – 19:00	<b>Goran Sporiš</b>	The Impact of Exercise on Brain Function and Cognitive Performance	<i>Gyms4you</i>
19:00 – 20:00	<b>All Speakers · Moderator: Goran Špaleta</b>	Panel: Fitness Today — Challenges, Opportunities, and the Future of the Industry	<i>Gyms4you</i>

Time	Speaker	Title	Institution
<b>HALL 2 – RUŽMARIN · PARA-SPORT</b>   <b>IN CROATIAN</b> <i>Chair: Lidija Petrinović · Capacity: 100</i>			
16:00 – 16:20	<b>Dino Belošević</b>	The Use of Artificial Intelligence in the Daily Work of Coaches and Sports Practitioners	<i>University of Split, Faculty of Kinesiology · European Institute for Talents, Education, Research &amp; Development</i>
16:20 – 16:40	<b>Lidija Petrinović</b>	Presentation — Para-Sport (TBA)	<i>University of Zagreb, Faculty of Kinesiology</i>
16:40 – 17:00	<b>Hrvoje Kujundžić</b>	Para-Coach = Para-Manager	<i>University of Split, Faculty of Kinesiology</i>
17:00 – 17:20	<b>Željko Cernić</b>	The Para-Sport System and Professional Staff	<i>Croatian Paralympic Committee</i>
17:20 – 17:40	<b>Miro Renić</b>	Financing Sport and Para-Sport — Challenges and Opportunities	<i>Para-Sport Association of Split-Dalmatia County</i>
17:40 – 17:50	<i>Coffee Break</i>		
17:50 – 18:00	<b>Branislav Šutić</b>	The Impact of Sport on the Education of Children and Youth: A Kinesiological Review	—

Time	Speaker	Title	Institution
<b>18:00 – 18:10</b>	<b>Lidija Petrinović</b>	Effects of Racket Sports on Physical, Psychological, and Social Outcomes in Individuals with Disabilities: A Systematic Review and Meta-Analysis	<i>University of Zagreb, Faculty of Kinesiology</i>
<b>18:10 – 18:20</b>	<b>Srđan Milovanović</b>	Prevention, Rehabilitation and Recovery in Amateur Football — Situation Analysis in Croatia	—
<b>18:20 – 18:30</b>	Presenter (TBA)	<i>Paper Presentation</i>	—
<b>18:30 – 18:40</b>	Presenter (TBA)	<i>Paper Presentation</i>	—
<b>18:40 – 18:50</b>	Presenter (TBA)	<i>Paper Presentation</i>	—
<b>18:50 – 19:00</b>	Presenter (TBA)	<i>Paper Presentation</i>	—

Time	Speaker	Title	Institution
<b>HALL 3 – PALMA 1 · PAPER PRESENTATIONS</b>			
<i>Chair: Sunčica Delaš Kalinski, Đurđica Miletić · Capacity: 30 · Language: English</i>			
16:00 – 16:10	Ivana Klaričić	Performance Analysis in Volleyball — Violation of Sample Independence in Multiple Regression Analysis	—
16:10 – 16:20	Tea Gutović	Artificial Intelligence in Sport: Sociocultural Implications for Contemporary Sports Systems	—
16:20 – 16:30	Sotirios Drikos	Pace of the Game: Analysis of European Men's National Championships (2011–2025)	—
16:30 – 16:40	Jakov Marasović	Decoding Age Effects: Motor Performance With and Without the Ball in Youth Soccer	—
16:40 – 16:50	Kristijan Slaćanac	Positional Scoring Differences Across Age Groups in Greco-Roman Wrestling	—
16:50 – 17:00	Daniel Link	Availability of Players is Associated with Success in Football	—
17:00 – 17:10	Sotirios Drikos	Analysis of Rallies in Women's Volleyball Across Three Age Categories: Effect of Point Type, Rotation, and Rally Phase	—
17:10 – 17:20	Seamus Brady	Using Data to Identify Deliberate Underperformance in Football	—
17:20 – 17:30	Sunčica Delaš Kalinski	Different Pathways to Health: Gender and Nutritional Differences in Adolescence	—
17:30 – 17:40	Goran Sporiš	"INSHS GENNEX HUB" — A Well Working Innovative Model for International Cooperation of Doctoral Schools and Programs in Sports and Health Sciences, Kinesiology	—
17:40 – 17:50	Goran Sporiš	Quality Enhancement and Standards — Ongoing Issues Regarding Publishing of Doctoral Students in the Field of Sports and Health Sciences and Kinesiology	—
17:50 – 18:00	<i>Coffee Break</i>		
18:00 – 18:10	Nick James	A deterministic approach to discerning styles of play in football	—
18:10 – 18:20	Ivan Perasović	Cortisol Dynamics and Sinclair Performance in Female Weightlifters	—
18:20 – 18:30	Hrvoje Ajman	Influence of Situational Parameters on Success in the 2021/22 Premier League Season	—

Time	Speaker	Title	Institution
<b>HALL 4 – PALMA 2 · PAPER PRESENTATIONS</b>			
<i>Chair: Mirjana Milić, Marijana Čavala · Capacity: 30 · Language: English</i>			
16:00 – 16:10	<b>Wilder Geovanny Valencia Sánchez</b>	Intra-positional Variability in Position-Specific Tactical Competencies Among Elite Youth Football Wingers: Exploratory Age-Group Differences	—
16:10 – 16:20	<b>Prasaanth Tamelarasan</b>	Physical Invariance and Technical Sensitivity to Opponent World Ranking on Match Performance and Pacing in International Women's Field Hockey: A Mixed Model Analysis	—
16:20 – 16:30	<b>Dea Bolanča</b>	Anaerobic Performance Profiling in Recreational Boxers Using a 30-s Continuous Jump Test and a 30-s Punching-Bag Test	—
16:30 – 16:40	<b>Dhanur Bhardwaj</b>	An Exploratory Study to Identify Field-Setting Patterns and Evaluate Their Impact on Team Performance to Optimise Match Strategies in Men's T20I Cricket	—
16:40 – 16:50	<b>Victor Romano</b>	Caffeine Mouthwash and Its Impact on Anaerobic Power in Active Men	—
16:50 – 17:00	<b>Victor Romano</b>	Gender Differences in Inspiratory Muscle Performance	—
17:00 – 17:10	<b>Gemma Davies</b>	A Simulation-Based Analysis of Momentum in Elite Netball — Case Study: Australia at the 2022 Commonwealth Games	—
17:10 – 17:20	<b>Nick James Junior</b>	TBA	—
17:20 – 17:30	<b>Mamiko Kato</b>	Defensive Shift Limits Did Not Increase Sprinting Distance for Outfielders to Get Batter-Runners Out in US Major League Baseball	—
17:30 – 17:40	<b>Katarina Šimunović</b>	The Effects of Music Tempo and Dominant Perceptual Learning Mode on Dance Performance	—
17:40 – 17:50	<b>Peter O'Donoghue</b>	Sports Participation of Icelandic Golfers Born Between 1940 and 2017	—
17:50 – 18:00	<i>Coffee Break</i>		
18:00 – 18:10	<b>Kamilla Brá Brynjarsdóttir</b>	Possession Length and Passing Rate in Euro 2025 Soccer	—
18:10 – 18:20	<b>Dahlia Al Syurgawi</b>	Effectiveness of Defensive Behaviours Against Kicks and Punches in Malay Silat	—
18:20 – 18:30	<b>Goran Sporiš</b>	Soft Dart	—
18:30 – 18:40	<b>Mate Vukoja</b>	Darts Performance	—
18:40 – 18:50	<b>Goran Sporiš</b>	Kinesiology for the 21st Century (Review Paper)	—

Time	Speaker	Title	Institution
18:50 – 19:00	Goran Sporiš	Notational Analysis in Football: A Review Paper	—
19:00 – 19:10	Mirjana Milić	Prevalence and Localization of Pain and Injuries of the Knee Joint in Male and Female Volleyball Players	
19:10 – 19:20	Mirjana Milić	Metric Characteristics and Assessment of the Psychological Traits of Perfectionism and Optimism in Football	
19:20 – 19:30	Goran Sporiš	The use of artificial intelligence for statistical data processing in kinesiology	

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