

ECPC 2021

Extract of the programme

	Name	Country	Title (presentation/Poster)
1	Annaheim Simon et al	Switzerland	Clothing air gaps in various postures for firefighters at work
2	Baek Yoon Jeong et al	South Korea	Effects of air velocity on the thermal insulation of padded winter jackets
3	Bhattacharjee Shovon et al	Australia	Functionalization of cotton fabric through coating of reduced graphene oxide and diffused nanoparticles using silane coupling agent
4	Bräuning Manuela	Germany	Smart Textiles for professional use – use cases, potential and risks
5	Bröde Peter et al	Germany	Requirements for benchmarking the ergonomics of PPE systems
6	Burke Rick	USA	Development and Validation of a Bench-Scale Flash Fire Materials Tester
7	Camezind Martin et al	Switzerland	Round robin ISO13506: comparison of sensor technologies for manikin flash fire testing
8	Carnoli Andrea Junior et al	The Netherlands	A novel method for PPE pollution monitoring
9	Cogez Laurent	France	Nomex® Nano Flex Laminates by ALPEX® Protection
10	Dabrowska Anna et al	Poland	Evaluation of mental load due to a use of smart protective clothing with warning signalization
11	D'Hartog Emiel	USA	Total Heat Loss - benefits and limitations for Firefighter protective clothing standards
12	Dietzel Yvette	Germany	Protective clothing material for working with handheld ultra-high pressure water jet guns
13	Dorn Oliver et al	Germany	Project Future Hero
14	Fonseca André et al	Portugal	Making high temperature phase change materials functionable in FCPs
15	Golubev Timofey et al	USA	CONSIDERING THE EFFECT OF LIQUID ACCUMULATION ON HEAT TRANSFER WITHIN A CLOTHING STACK
16	Havenith George	UK	Body Mapping of Physiological and Perceptual Responses for informing Clothing Design
17	Kilinc-Balci F. Selcen et al	USA	Impact of Surrogate Fluids' Surface Tension on the Barrier Performance of Protective Clothing
18	Kilinc-Balci F. Selcen et al	USA	Fluid Leakage through Glove and Coverall Interface
19	Kim Nam Yim et al	Republic of Korea	Development and Evaluation of Wearing Suit Based on Muscle Activity Analysis in Repetitive Lifting Exercise
20	Klepser Anke et al	Germany	Using 3D/4D Technology to investigate Workwear Fit in Motion
21	Krause Rahel et al	Germany	European User Survey on smart PPE for Firefighters
22	Kuklane Kalev et al	Netherlands	Physiological and subjective responses during fire training
23	Kuklane Kalev et al	Netherlands	New SUCAM of smart garments for protection against heat and flame
24	Lunerova Kamila	Czechia	Thermal insulation characteristics of NBC protective clothing

	Et al		
25	Mandal Sumit Et al	USA	Modeling of Hot water and Steam Protective Performance of Fabrics Used in Firefighters' Clothing
26	Matthew Dave	UK	"Heat and Flame PPE Standards, Cancer and Health issues"
27	Matusiak Malgorzata Et al	Poland	Liquid Moisture Transport in Textile Packages
28	Mawkhlieng Unsanhame et al	India	Designing of hybrid soft body armour using unidirectional and high-performance woven fabrics impregnated with shear thickening fluid
29	Mayer-Gall Thomas et al	Germany	Novel halogen free flame retardants for textiles and PSA
30	Niederstadt Rule	Germany	New finishing technology for durable FR Performance
31	Ormond Bryan et al	USA	System-Level Assessment of Protective Hoods for Thermal Protection, Thermal Burden, and Particulate Protection
32	Ormond Bryan Et al	USA	Development of Toxicologically-Relevant Performance Requirements for Vapor-Protective Ensembles Evaluated via the Man-In-Simulant-Test (MIST)
33	Plebst Sebastian Et al	Germany	Opportunities and challenges in the use of graphene for PPE
34	Quednau Wolfgang	Germany	State of Play UV Protection & Visibility Equipment
35	Renner Gabriele et al	Germany	Climate neutral cooling material for protective clothing
36	Rioux Timothy et al	USA	Predicting regional thermal and evaporative resistances of military cold weather clothing ensembles
37	Rossi Rene et al	Switzerland	Thermal Degradation of Fabrics Exposed to Radiant Heat: A Molecular Scale Study
38	Samolov Aleksandra Et al	Serbia	PVB/IF-WS ₂ system for impregnation of polyester knitwear
39	Sandsund Mariann Et al	Norway	Health risks and health effects of firefighter work: Exposures, diseases and preventive measures
40	Sandsund Mariann Et al	Norway	Particle penetration in firefighter clothing – a pilot study
41	Santos Gilda et al	Portugal	Innovative lead-free medical X-ray protective apparel
42	Santos Gilda et al	Portugal	Innovative high-visibility textiles
43	Santos Gilda et al	Portugal	Functional clothing for protection against puncture
44	Santos Gilda Et al	Portugal	Smart Clothing for Surfing
45	v.Welly Eric	Switzerland	Latest developments and key challenges in standardization in CEN and ISO
46	v. Houte Henk et al	Belgium	conformity assessment of innovative PPE : opportunities and challenges
47	Wölfling Bianca	Germany	Thermophysiological comfort of personal protective equipment
48	Wollert Lars Et al	Germany	New material combinations for stab- and bullet-proof safety vests
49	Xu Xiaojing et al	USA	Evaluation of Cold Protective Clothing Using A Human Thermoregulatory Model
50	Noth Olivier	Switzerland	Game-changing Technology for Firefighter Protective Hoods
51	Noth Olivier	Switzerland	Flame retardant face coverings in time of social distancing
52	Noth Olivier	Switzerland	Advanced Fiber Technology for Cut and Heat Protective Suits
53	Song Guowon et al	USA/China	CFD analysis of convective heat transfer coefficients of the hand