

### day 20 – Overall Program

09:00	Registration
09:15	Course 1: Motion Capture System in Biomechanical and Ergonomic Analysis <i>Room 1 (in-person only)</i>
11:00	Coffee break
11:15	Course 2: Basics to creating virtual reality and augmented reality scenarios Part II <i>Room 4 (in-person only)</i>
11:30	Opening session <i>Auditorium (with zoom transmission)</i>
12:00	Plenary Session 1 - Use of nanomaterials in cosmetics (Delfina Ramos / Luis Almeida) <i>Auditorium (with zoom transmission)</i>
13:00	Parallel Sessions
14:00	Lunch break
14:30	Poster session <i>Main hall (in-person only)</i>
15:00	Plenary Session 2 - Intelligent communication in occupational risk assessment (Antonio J. Carpio) <i>Auditorium (with zoom transmission)</i>
16:00	Parallel Sessions
16:15	Coffee break
16:45	Plenary Session 3 - Erasmus+ Projects and Opportunities for OHS Experts: DigiRescueMe and STRIM Projects (Oktay Şahbaz) <i>Auditorium (with zoom transmission)</i>
18:00	End of Day 1

### day 20 – Auditorium (in person, with zoom transmission)

11:15	<b>Opening session</b>	
11:30	<b>Plenary Session 1 - Use of nanomaterials in cosmetics</b> (Delfina Ramos / Luis Almeida)	
	<b>Psychosocial issues   Chair: Nelson Costa</b>	
12:00	122 - Cognitive Workload and Fatigue in a Human-Robot Collaborative Assembly Workstation: a Pilot Study	Joana Santos, Mariana Ferraz, Ana Pinto, Luis Freitas Rocha, Carlos Costa, Ana Correia Simões, Klaas Bombeke, Mário Vaz
12:15	15 - The impact of the COVID-19 pandemic in social workers' quality of life – a study case	Rui Azevedo, Joana Moreto, Maria Sá
12:30	61 - Telework experiences during the pandemic in managers of clothing trade establishments	Hernâni Veloso Neto
12:45	41 - Stress adaptation profiles in higher education students: Relationship with coping and burnout	Ana Ribeiro, A. Rui Gomes, Catarina Morais, Liliana Fontes, Clara Simões
14:30	<b>Plenary Session 2 - Intelligent communication in occupational risk assessment</b> (Antonio J. Carpio)	
	<b>Occupational health   Chair: Filomena Carnide</b>	
15:00	6 - Towards an integrated approach on Occupational Health to tackle COVID19 pandemic	Edna Ribeiro, Ketlyn Oliveira, Bianca Gomes, Raquel Pimenta, Mariana Delgadinho, Catarina Ginete, Renato Abreu
15:15	49 - Occupational and individual factors for musculoskeletal pain in the automotive industry	Ana Assunção, Sarah Bernardes, Vera Moniz-Pereira, Carlos Fujão, António P. Veloso, Filomena Carnide
15:30	69 - Modelling physical fatigue through physiological monitoring within high-risk professions	Denisse Bustos, Filipa Cardoso, Ricardo Cardoso, Joana Guedes, José Torres Costa, Mário Vaz, J. Santos Baptista
15:45	51 - Indoor air quality at Portuguese firehouses	Klara Slezakova, Filipa Esteves, Josiana Vaz, Maria J. Alves, Solange Costa, Joana Madureira, Bela Barros
16:15	<b>Plenary Session 3 - Erasmus+ Projects and Opportunities for OHS Experts: DigiRescueMe and STRIM Projects</b> (Oktay Şahbaz)	
	<b>Ergonomics   Chair: Teresa Cotrim</b>	
16:45	10 - Pre-pandemic vs. pandemic times: the impact of psychosocial risk factors on work-related musculoskeletal disorders in healthcare workers	Carla Barros, Pilar Baylina
17:00	91 - Main challenges in the implantation of exoskeletons according to applicability criteria. Selection, evaluation and validation process	Alberto Villarroya López, Jose María Rivas Moar, Rita Louzán Mariño
17:15	74 - Risk factors for lower limb work-related musculoskeletal disorders	Catarina Santos, Ana Teresa Gabriel, Claudia Quaresma, Isabel Nunes
17:30	60 - Lumbar postural responses during gaming activity: A study with semi-professional and amateur gamers	Heber Gonçalves, Paulo Sereno, Rubim Santos, Matilde Rodrigues

### day 20 – room 1 (in person)

Ergonomics   Chair: Isabel Loureiro		
12:00	14 - PostureMind – Postural education in back pain and postural habits of children and teenagers	Gustavo Desouzart, Ernesto Filgueiras
12:15	40 - Ergo4workers: Usability Testing of the Second Prototype of an App for the Ergonomic Assessment of Healthcare Professionals	Inês Sabino, Maria Carmo Fernandes, Bruno Mendes, Nidia Grazina, Carlos Caldeira, Cátia Cepeda, Hugo Gamboa
12:30	13 - Influence of postural intervention during the sleep period on back pain, quality of life and sleep quality in young adults of life and sleep quality in young adults	Gustavo Desouzart, Ernesto Filgueiras, Rui Matos
Health and Industrial hygiene   Chair: Nelson Rodrigues		
15:00	43 - Snapshot assessment to fungal load in wood departments from “Do It Yourself” (DIY) stores	Marta Dias, Pedro Pena
15:15	126 - Smoke control process in an underground parking lot – CFD simulation	Ana Carneiro, João Silva, Nelson Rodrigues, Senhorinha Teixeira, Pedro Lobarinhas
15:30	36 - High-resolution measurement of infrasound and low frequency noise in a subway-driver compartment	Roksolana Stefurny, Maria Luísa Matos, Mariana Alves-Pereira, Hélder Simões, Huub Bakker
Psychosocial issues   Chair: Liliana Cunha		
16:45	77 - Human Resources practices for managing the ageing of the workforce	Verónica Braga, Isabel Silva, Ana Veloso
17:00	48 - Development of a questionnaire to understand future users’ perceptions about human-centric Autonomous car interior	Hatice Kirkici Gonçalves, Ana Colim, Paulo Pedrosa, Paula Carneiro
17:15	75 - Uncovering the Dynamics of Stress in Office Workers: An Experience Sampling Approach	Simão Ferreira, Inês Silva, Matilde Rodrigues, Nuno Rocha
17:30	132 - A changing work environment in the wake of the Covid-19 pandemic? – Observations from managers in a Swedish mining company	Joel Lööw, Mats Jakobsson, Johan Larsson, Malin Mattson Molnar, Jan Johansson

### day 20 – room 3 (hybrid)

Occupational issues   Chair: Maria Luísa Matos (presential)		
12:00	89 - Ansiedade face à morte e clima de segurança física como preditores da paixão pelo trabalho: O efeito da percepção de risco	Gabriela Gonçalves, Cátia Sousa, Jaqueline Custódio, António Sousa
12:15	121 - Avaliação de potenciais de resiliência num município português: a segurança e saúde do trabalho nos jardineiros	Celsi Mendes, Rui Melo
12:30	85 - Saúde mental em estudantes universitários durante a pandemia da COVID-19: o papel mediador da inteligência emocional	Carla Barros, Ana Sacau-Fontenla, Cláudia Augusto
12:45	46 - Avaliação da exposição ao ruído ocupacional em trabalhadores da indústria têxtil (estudo de caso)	Mónica Alves, Helder Simões, João Paulo Figueiredo, Joaquim Pereira, Ana Ferreira
13:00	76 - Capacidade para o Trabalho e Fatores Psicossociais em Trabalhadores de uma Escola Profissional	Ana Parreira, Helder Simões, Bruno Dinis, João Paulo Figueiredo, Ana Ferreira, Teresa Cotrim
13:15	95 – Análise ergonómica ao abastecimento de um comboio logístico	Sofia Vale, Beatriz Sousa, Joana Ferreira, Patrícia Brandão, Tiago Faria, Hugo Costa, Sara Gomes, Maria Macedo
Occupational issues   Chair: Joana Duarte (virtual)		
15:00	11 - A look at the relationship between fatigue and self-employed truck drivers	Rodrigo Duarte Soliani, Luiz Bueno da Silva, Alisson Vinicius Brito Lopes, Fábio Santiago
15:15	20 - Comparison between anthropometric equipment and scanners in hand measurement	Paulo César Anacleto Filho, Lincoln Silva, H.I. Castellucci, Eduarda Pereira, Ana Pombeiro, Pedro Arezes, Matilde Rodrigues
15:30	34 - Shift work, satisfaction with work schedule, and well-being: An analysis in the health sector	Daniela Costa, Isabel Silva
15:45	29 - Indoor air quality in fitness centers with/without the restrictions of COVID-19	Cátia Peixoto , Maria do Carmo Pereira, Simone Morais, Klara Slezakova
Occupational issues   Chair: José Carvalhais (virtual)		
16:45	71 - Visual fatigue from occupational environment: a review study	Kadja Ferreira, Andre Lucena, Fabricia Oliveira, Hadassa Lucena
17:00	8 - Hospital work environment and maternity protection: a scoping review on assessment and perception of occupational risks	Soraya Vasconcelos, Alexandra Matias, Elizabeth Dias
17:15	9 - Characterisation of the Portuguese footwear industry (traditional manufacturing sector) relative to occupational health and safety	Maria Pedrosa, Ana Salazar, Joana Guedes
17:30	12 - Occupational health and safety development needs in the home care sector in Finland	Maria Lindholm, Johanna Pulkkinen
17:45	50 - Diagnosis of occupational diseases in the northern region of Portugal: 2019-2021	Ana Silva, Lurdes Dinis

### day 20 – room 4 (virtual)

Occupational issues   Chair: Carla Viegas		
12:00	120 - Protocolo de vigilância da tuberculose em profissionais de saúde	Marta Lagoa, Ana Sofia Ramos, Ana Inês Vasques, Diana Ramos Rocha, Carlos Ochoa Leite, João Bento, Luís Rocha, Lisa Pires
12:15	80 - Percepção de risco numa amostra de bombeiros portugueses: como promover comportamentos seguros?	Mário Fialho, Sandra Nunes, Carla Gamelas Reis
12:30	96 - Meningite: protocolo de atuação após exposição para profissionais de saúde	Diana Ramos Rocha, Ana Inês Vasques, Marta Grácio Lagoa, Ana Sofia Ramos, Carlos Ochoa Leite, Lisa Pires, João Bento, Luís Rocha
12:45	108 - Promoção e Vigilância da Saúde Ocupacional no Trabalhador em Regime de Teletrabalho	Ana Sofia Ramos, Ana Inês Vasques, Carlos Ochoa Leite, Diana Ramos Rocha, João Bento, Lisa Pires, Luís Rocha, Marta Lagoa
Occupational issues   Chair: Hernâni Veloso Neto		
15:00	113 - Riscos Psicossociais na Administração Pública Local	Íris Bidarra
15:15	93 - Vacinação contra a Hepatite B em profissionais de saúde – protocolo de atuação	Ana Inês Vasques, Diana Ramos Rocha, Marta Grácio Lagoa, Ana Sofia Ramos, Carlos Ochoa Leite, Lisa Pires, João Bento, Luís Rocha
15:30	106 - Transição da Modalidade de Serviços Externos para Internos de SST – Proposta de um sistema de gestão digital para a indústria automóvel	Ricardo Pinto
15:45	92 - Gestão médica dos acidentes de trabalho com exposição a fluidos biológicos	Ana Inês Vasques, Diana Ramos Rocha, Marta Grácio Lagoa, Ana Sofia Ramos, Carlos Ochoa Leite, Lisa Pires, João Bento, Luís Rocha
16:00	127 - Riscos psicossociais numa unidade de saúde mental	Estela Vilhena, Tânia Rodrigues, Filipe Carvalho
Occupational issues   Chair: Ana Colim		
16:45	33 - The relevance of psychosocial factors in industry - a narrative review	Claudia Ollay, Anabela Pereira, Teresa Cotrim
17:00	19 - Assessing mental workload in industrial environments: A review of applied studies	Paulo César Anacleto Filho, Lincoln Silva, Nélson Costa, Ana Pombeiro, Pedro Arezes, Paula Carneiro
17:15	42 - Occupational health of firefighters: a systematic review	Sara Alves, Adília Fernandes, Josiana Vaz
17:30	72 - Qualities of the alternative approach of the Functional Resonance Analysis Method and the Analytic Hierarchy Process - Review	Jose Tierra, Juan Carlos Rubio-Romero, M Carmen Pardo-Ferreira, Virginia Herrera Pérez
17:45	37 - Occupational exposure to particles in quarries and its effects on worker's health	Ana Ferreira, Diana Fernandes, João Paulo Figueiredo, António Loureiro, Seco Silvia, Fernando Moreira

### day 20 – Poster Session (in person)

7	Individual factors as predictors of risk perception: Mediation of the physical safety climate, in a sample of Portuguese workers	António Sousa, Kelly Pinto, Gabriela Gonçalves, Cátia Sousa
52	Human-centered design approach to the development of a graphical user-interface for visual inspection task: a use-case in the aircraft manufacturing	Rosana Alexandre, Pedro Lima, Mariana Silva, Ana Colim, Sacha Mould
124	Acceptance of Industrial Collaborative Robots: preliminary results of application of Portuguese version of the Frankenstein Syndrome Questionnaire (FSQ)	Mariana Ferraz, Ana Pinto, Joana Santos
128	Occupational contact allergy in laboratory technicians who handle experimental animals	Gabriel Martí-Amengual, Beatriz Calvo, Inmaculada Herrera-Mozo, Anselmo López-Guillén, Pere Sanz-Gallen
130	Mental Health Disorder secondary to COVID-19 in a non-infected Healthcare Worker: the indirect effects of the COVID-19 pandemic	Miguel Pereira, Diogo Abreu, Helena Alves, Laura Silva, Salomé Camarinha, Ana Paula Sardo, Daniel Melo, Fernando Mautempo
131	Contributions of NEBOSH trainings to achieve a High Reliability Organization along workplaces	Fabiana Clérigo, Sérgio Duarte, Sérgio Duarte, Vladimir Silva, Irina Morais
133	Undetectable equals untransmittable for Hepatitis C Virus – implications for Occupational Health	Sofia Rosado Julião, Sofia Rosado Julião, Ana Isabel Madureira, Gary Navarro, Ema Leite
136	The concept of low back pain: a systematic review	Pedro Carretas
137	Diagnostic perspectives in low back pain: a short systematic review	Pedro Carretas
138	Low back pain at occupational health: a short systematic review	Pedro Carretas
139	NOx and nanoparticles levels in underground car parks	Hector Garcia-Gonzalez, Mª Teresa Lopez-Pola
144	Postural analysis as early fatigue signs in an industrial repetitive task	Mário Lopes, Mário Rodrigues, Mariana Monteiro, Susana Lopes, José Alvarelhão, Rui Costa, José Alvarelhão
145	Validation of a prototype for monitoring the posture of the upper body during repetitive tasks performance	Paulo Matos, Mário Rodrigues, Susana Lopes, Mário Lopes, Abílio Borges, Rui Costa, Aureliano Fertuzinhos, Teófilo Leite, José Alvarelhão

### day 21 – Overall Program

09:15	Course 2: Basics to creating virtual reality and augmented reality scenarios Part III <i>Room 4 (in-person only)</i>
11:00	Coffee break
11:15	Plenary Session 4 - Challenges of workers' participation in the digital era (Emília Telo) <i>Auditorium (with zoom transmission)</i>
11:45	Parallel Sessions
13:00	Lunch break
14:00	Poster session <i>Main hall (in-person only)</i>
14:30	Plenary Session 5 - Relevance of Data in Construction Safety Prevention (Alfredo Soeiro) <i>Auditorium (with zoom transmission)</i>
15:00	Parallel Sessions
16:00	Coffee break
16:15	Parallel Sessions
17:15	Prize giving ceremony
17:30	Closing session
18:00	End of Day 2

### day 21 – Auditorium (in person, with zoom transmission)

11:15	Plenary Session 4 - Challenges of workers' participation in the digital era (Emília Telo)  <b>Firefighters' health  Chair: Francisco Silva</b>	
11:45	23 - Cardiorespiratory symptoms and disease among firefighters	Bela Barros, Ana Margarida Paiva, Marta Oliveira, Simone Morais
12:00	22 - Characterization of metal content in the saliva of firefighters: a preliminary study	Gabriel Sousa, Agostinho Almeida, Cristina Delerue-Matos, Xianyu Wang, Francisca Rodrigues, Marta Oliveira
12:15	18 - Use of urinary creatinine to assess occupational exposure as a firefighter: a preliminary study	Joana Teixeira, Francisca Rodrigues, Alice Santos-Silva, Cristina Delerue-Matos, Marta Oliveira
12:30	70 - Cardiopulmonary, metabolic and perceived exertion characteristics of Portuguese firefighters	Denisse Bustos, Diogo Carvalho, Manoel Rios, Joana Guedes
14:30	Plenary Session 5 - Relevance of Data in Construction Safety Prevention (Alfredo Soeiro)  <b>Reviews  Chair: Maria Antónia Gonçalves</b>	
15:00	47 - Digital twin applications in the extractive industry – a short review	Joana Duarte, J. Santos Baptista
15:15	26 - Managing Prevention of Psychosocial Risks in Europe – Systematic Review of Good Health and Well-being practices in Social Economy	Ângela Vicente, Dina Chagas, Jose Garcia, Brizeida Sánchez
15:30	39 - Tools for Fire Safety in Historic Buildings: Review	Milena Campinho, Adeeb Sidani, António Couto
	<b>Occupational issues  Chair: Matilde Rodrigues</b>	
16:15	57 - Development and implementation of a management model of ergonomic conditions supported by autonomous teams	Bruna Fernandes, Nuno Sousa, Paula Carneiro, Ana Colim
16:30	117 - Study of the oxidising capacity of different materials in relation with silica content	Hector Garcia-Gonzalez, Mª Teresa Lopez-Pola, Daniel Antuña-Jiménez, María Begoña González García, Pablo Fanjul Bolado
16:45	38 - Development of a Rapid Assessment Method of the potentiality to transform manufacturing workstations into an assistive collaborative system	André Cardoso, Ana Colim, Estela Bicho, Ana Cristina Braga
17:00	82 - Linguistic adaptation for the preventive action control in construction work environments	Antonio José Carpio, J. Santos Baptista, María de las Nieves González
17:15	<b>Prize Giving Ceremony and Closing Session</b>	

### day 21 – room 1 (in person)

Occupational issues   Chair: Carla Barros		
11:45	105 - An Analysis for the evaluation of Productivity in Human-Robot Collaboration	Carlo Caiazzo
12:00	119 - Comparative analysis of the implementation of the factory directive ( 57/92 of june 24) in Poland and Portugal and its implementation at construction work	Danilo Calva, Cristina dos Reis, Lukasz Kuta, Paula Braga, Carlos Oliveira
12:15	115 - Impact of psychosocial risks in nurses after the COVID-19 pandemic: analysis of the Great Resignation, rotation and associated risk factors	Natalia María Rodríguez Canle, Carla Queijo Couto
Occupational issues   Chair: Rui Azevedo		
15:00	63 - Zirconium silicate and exposure to ionizing radiation in ceramic industry	Mariana Bernardo, Francisco Silva, Ana Ferreira, João Paulo Figueiredo
15:15	73 - A digital communication system to Occupational Safety and Health: requirements identification and prototype	Joana Ferreira, Mariana Barros, Matilde Rodrigues, Gonçalo Constantino, Rodrigo Cavadas, José Rebelo, Bruno Oliveira
15:30	30 - General occupational health conditions in slave labour	Gairo Garreto, J. Santos Baptista, Antônia Mota
15:45	84 - Fire safety conditions at historic buildings: Cathedral of Porto case	Miguel Chichorro Goncalves, Ana Castro, Gonçalo Perestrelo
16:00	55 - What, how and where they eat: results from a Portuguese company's workers	João Lima, Andreia Boleta, Helena Enes, Rita Pereira, Joaquim Pereira, Helder Simões, Ada Rocha

### day 21 – room 5 (hybrid)

Psychosocial and occupational factors   Chair: Delfina Ramos (presential)		
11:45	45 - Avaliação do conforto térmico numa indústria alimentar – estudo de caso	Nuno Cabral, Helder Simões, João Paulo Figueiredo, Ana Ferreira
12:00	118 - Risco Elétrico em Parques Eólicos – a propósito de um Acidente de Trabalho	Maria Garcia, Sérgio Miguel, Ana Cunha, Rui Carrapato, Márcio Oliveira
12:15	116 - O contributo dos fatores humanos no design de produtos de reabilitação de amputados produzidos por fabricação aditiva	Pedro Moreira, Demétrio Matos, Daniel Miranda, Vítor Carvalho
12:30	104 – Avaliação da Prevalência de Hábitos Posturais e Comportamentais em Ambiente Escolar	Ercília Oliveira-Costa, Diego Alonso-Fernandez, Águeda Gutiérrez-Sánchez
Occupational and environmental health   Chair: Denisse Bustos (virtual)		
15:00	24 - Decision-Making Styles as Human Factors in Occupational Context	Ljupcho Efremov, Mehmet Karaman, Mehmet Aslan
15:15	35 - Risk Management Process for an Electric Arc welding workshop in South Sudan	Tomi Zlatar, Teerayut Sa-ngiamsak, Yengi Emmanuel Daro Justine
15:30	16 - Cooperation between the employer and employees in developing safety, health and well-being in small and medium sized enterprises	Sari Tappura, Elli Karttunen, Mattila
15:45	17 - Occupational safety and health risks of gig workers in Finland	Susanna Mattila, Timo Heinonen, Sari Tappura, Kati Ylikahri
Occupational issues   Chair: Teresa Cotrim (virtual)		
16:15	54 - Circadian and Biological Rhythms in Shift Workers – A Firefighter's Study	Inês Ferreira Duarte, Joaquim Pereira, João Lima, Hélder Simões, Telmo Pereira, Jorge Conde
16:30	28 - Work Ability Determinants in Industry - what are the gaps? A narrative review	Márcia Pereira, Teresa Cotrim, Filomena Carnide
16:45	67 - Deep-sea port crane operators' physiological fatigue on low back and shoulder: a primary exploration for occupational health and safety purposes	Teerayut Sa-ngiamsak, Tomi Zlatar, Anamai Thetkathuek
17:00	66 - Musculoskeletal disorders risk assessment in a radiotherapy service	João Almeida, Daniela Pinto, João Paulo Figueiredo, Ana Ferreira, Maria João Cura Mariano

### day 21 – room 4 (virtual)

Occupational issues   Chair: Celeste Jacinto		
11:45	86 - Sarampo e profissionais de saúde: protocolo de atuação num hospital português	Diana Ramos Rocha, Marta Grácio Lagoa, Ana Sofia Ramos, Luís Rocha, Ana Inês Vasques, Carlos Ochoa, Lisa Pires
12:00	110 - Exposição a LMERT e Fadiga Laboral em Operadoras do Setor Têxtil	Sandra Silva, Manuel Freitas, Hernâni Veloso Neto
12:15	97 - Prevenção do consumo abusivo de álcool por profissionais de saúde em hospital terciário	Diana Ramos Rocha, Ana Inês Vasques, Marta Grácio Lagoa, Ana Sofia Ramos
12:30	99 - Condições de trabalho e saúde de operadores de telemarketing: estudo transversal	Márcia Astrêis Fernandes , Francisca Zenaide Fernandes Oliveira Nascimento, Simone Santos Oliveira, Nanielle Silva Barbosa, Écio Sousa Silva, Larissa de Oliveira Seabra
12:45	109 - Tosse Convulsa: protocolo de atuação após exposição em hospital	Diana Ramos Rocha, Ana Inês Vasques, Marta Lagoa, Ana Sofia Ramos, Luís Rocha, Daniel Pimenta Rocha
13:00	102 - Deteção do mosquito Aedes albopictus no Norte de Portugal e o impacto da sua dispersão	Ana Silva
Occupational issues   Chair: Isabel Loureiro		
15:00	27 - Evaluation of the physical activity intensity in primary school children during the lockdown	Denise Soares, Catarina Rodrigues, Joana Lourenço, Fabio Flores
15:15	21 - Risk assessment associated with nursing staff in an Operating Room	Inês Carreiras, João Silva, Leonor Costa, Maria Antónia Gonçalves, Marlene Brito
15:30	32 - Inclusive Design and the use of assistive technology in the classroom: a systematic review	Thalita Araújo, Juliana Marcelino, Laura Martins
15:45	83 - The emergent perspective of Applied Observability in Occupational Health and Safety. The exploratory scoping review for the future framework	Juan Antonio Torrecilla-Garcia, Agnieszka Skotnicka, Juan Carlos Rubio Romero, Virginia Herrera Pérez
Occupational issues   Chair: Carla Viegas		
16:15	101 - Saúde e adoecimento do trabalhador operador de caixa de supermercado: análise reflexiva à luz teórica de Betty Neuman	Arielly da Silva Costa, Isabelli Meneses Guimarães, Ana Oliveira, Kayron Cunha, Larissa Seabra, Márcia Astrêis Fernandes
16:30	90 - Escabiose e profissionais de saúde: protocolo de atuação num hospital português	Diana Ramos Rocha, Marta Lagoa, Ana Sofia Ramos, Luís Rocha, Ana Inês Vasques, Carlos Ochoa
16:45	100 - Efeitos dos sintomas ansiosos e depressivos sobre a qualidade da assistência de enfermagem em terapia intensiva	Kayron Rodrigo Ferreira Cunha, Nanielle Silva Barbosa, Márcia Astrêis Fernandes, João Paulo Barros Ibiapina, Breno Dias de Oliveira Martins, Ana Lívia Castelo Branco de Oliveira, Larissa de Oliveira Seabra
17:00	25 - Estudo de caso das condições ergonómicas num processo na indústria automóvel	Regina Silva, Paula Carneiro

### day 21 – Poster Session (in person)

31	Association of low back pain and fatigue among office workers: A systematic review	Iliya Pezeshki, J. Santos Baptista, Joana Guedes
58	Work accidents related to heavy equipment in the Open Pit Extractive Industry: a short review	Jane Paula de Souza, J. Santos Baptista, Jacqueline Castelo Branco
59	A Systematic Review on Occupational Ocean Noise among The Sailors: Measurement, Regulation, and Control	Kresna Febriyanto, Joana Guedes, J. Santos Baptista
123	Self-reported dermal effects of hand sanitisers in industrial workers	Carla Costa, Ana Oliveira, Catarina Domingos, Joana Santos, Carlos Carvalhais
129	Environmental intervention program for modern Portuguese offices – Study design and preliminary IEQ assessments	Fátima Felgueiras, Zenaida Mourão, André Moreira, Marta Gabriel
135	Magnification of the galilean system and the visual acuity of dentistry students	Júlia Margato Pazos, Carla Gabriela dos Santos, Carla Gabriela dos Santos
140	Equipment and advances for measuring fatigue in office settings: protocol for a systematic review	Iliya Pezeshki, J. Santos Baptista, J. Guedes
141	Heat Waves effects on people: should we be concerned?	A. Virgílio Monteiro de Oliveira, António M. M. Raimundo
142	Acceptability of automated vehicles in Portugal: A structural equation modelling approach	António Lobo, Lucas Rhoden, Liliana Cunha, Sara Ferreira, António Couto, Sérgio Pedro Duarte
143	Measurement of resilience potential: development and validation a tool	Joana Fernandes, Judite Barbosa, M Carmen Pardo-Ferreira, Pedro Arezes, Matilde Rodrigues
146	The impact of industrial noise on workers psychologically and organically An applied study in the BMS ELECTRIC company in Algiers	Bayoub Aissa, Hamou Boudrifa
147	Application of accident risk assessment methods to road works	Schröeder Meretti Felipe, Cristina Reis, Ferreira Jorge, Carlos Oliveira