

## Programa da conferência CLBA24 (conferência online)

Autor sublinhado → Autor que apresenta

<b>Quinta-feira 12 de dezembro de 2024</b>	
10:00	<b>Abertura da CLBA24</b>
	<b>Sessão 1 – Adesão e tratamentos superficiais - Chair: LFM da Silva (FEUP, Portugal) e S de Barros (CEFET/RJ, Brasil)</b>
10:20	Influence of injection conditions on adhesion interface in sandwich panels (CLBA24_8) A Guimarães, <u>T Costa</u> (Purever Industrial Solutions, Portugal), A Trindade, RJC Carbas, LFM da Silva
10:40	A study of Cr-B thermal spray coating submitted to erosive wear (CLBA24_20) URS Montani (CEFET-RJ, Brasil), MG Diniz, VC Silva, AR Pimenta, HRM Costa
11:00	Uso do ensaio TDCB na avaliação da energia crítica de propagação em modo I (GIC) entre camadas de PLA impresso 3D (CLBA24_7) <u>AN Silva</u> (Universidade Federal Rural do Semi-árido, Brasil), Y Wu, R Grangeat, P Casari, S de Barros
11:20	Utilização de lignina kraft modificada para aumento da energia livre superficial de polipropileno (CLBA24_26) <u>MPS Bisneto</u> (Universidade Federal do ABC (UFABC), Brazil), RR de Sousa Junior, GES Garcia, LG Freitas, DJ dos Santos
<b>11:40 - 12:00</b>	<b>PAUSA</b>
	<b>Sessão 2 – Propriedades de adesivos I - Chair: EAS Marques (FEUP, Portugal) e V Tita (Universidade de São Paulo, Brasil)</b>
12:00	Unveiling the failure complexities of acrylic PSAs: a comprehensive study of peel test behaviour and cohesive zone modelling (CLBA24_3) <u>BD Simões</u> (INEGI, Portugal), HC Sousa, EAS Marques, RJC Carbas, S Maul, P Stihler, P Weißgraeber, LFM da Silva
12:20	Análise comparativa do desempenho mecânico de juntas de cisalhamento ensaiadas em temperaturas elevadas com as curvas de HDT e Tg (DSC e DMA) (CLBA24_32) <u>NFR Rohem</u> (CEFET/RJ Brasil), S de Barros, EM Sampaio, VJ Cortines, RM Carneiro Neto
12:40	Development of a unified specimen for direct generation of cohesive zone law data of adhesives – Strength components (CLBA24_6) <u>DS Correia</u> (INEGI, Portugal), EAS Marques, RJC Carbas, LFM da Silva
13:00	Fracture energy of a polyurethane adhesive in vehicle body applications: investigating the interaction of strain rate, loading mode, and temperature (CLBA24_9) <u>M Ribas</u> (INEGI, Portugal), A Akhavan-Safar, RJC Carbas, EAS Marques, S Wenig, LFM da Silva
<b>13:20 - 14:30</b>	<b>PAUSA</b>
	<b>Sessão 3 – Juntas adesivas estruturais I - Chair: RM Carneiro Neto (Universidade Federal do Rio de Janeiro, Brasil) e EM Sampaio (Universidade de São Paulo, Brasil)</b>
14:30	Curved single lap joints: Enhancing strength by mitigating stress concentrations (CLBA24_14) <u>RCJ Carbas</u> (INEGI, Portugal), VDC Pires, EAS Marques, LFM da Silva

14:50	Mechanical performance of aluminum-carbon fiber laminated joints at different strain rates <b>(CLBA24_15)</b> <u>RJC Carbas</u> (INEGI, Portugal), EAS Marques, LFM da Silva
15:10	Adhesively bonded joints of hybrid flax/jute/glass fibre reinforced composites: An experimental study <b>(CLBA24_16)</b> <u>RAA Junior</u> (CEFET/RJ, Brazil), HFM de Queiroz, MD Banea
15:30	Evaluation of fracture energy in mode I in hybrid composites with natural fibers <b>(CLBA24_17)</b> <u>RM Carneiro Neto</u> (Universidade Federal do Rio de Janeiro, Brasil), EM Sampaio, M Banea
15:50	Lap shear and T-peel properties of acrylic and epoxy structural adhesives joints <b>(CLBA24_13)</b> <u>MDM Martins</u> (SENAI CIMATEC, Brasil), TCP Macedo, MVBO Ribeiro, YTB Santos, D M Souza
<b>16:10</b> - <b>16:30</b>	<b>PAUSA</b>
	<b>Sessão 4 – Aplicações - Chair: RJC Carbas (INEGI, Portugal) e MD Banea (CEFET/RJ, Brasil)</b>
16:30	Adhesives in veterinary medicine: a review <b>(CLBA24_1)</b> <u>CMC Ferreira</u> (INEGI, Portugal), BD Simões, EAS Marques, RJC Carbas, LFM da Silva
16:50	Characterization of mechanical properties of a commercial adhesive applied in the equestrian sector <b>(CLBA24_2)</b> <u>CMC Ferreira</u> (INEGI, Portugal), BD Simões, EAS Marques, RJC Carbas, LFM da Silva
17:10	Adhesive bonding technology in automotive battery pack manufacturing and dismantling: An overview <b>(CLBA24_12)</b> <u>VC Rodrigues</u> (INEGI, Portugal), M Kasaei, R Beygi, EAS Marques, RJC Carbas, LFM da Silva
17:30	Geopolymer as a fire protection for laminates composites materials: an adhesion preliminary study <b>(CLBA24_29)</b> <u>ACV Passos</u> (Polytechnic Institute of the State University of Rio de Janeiro, Brasil), EM Sampaio, AML Filho, NRF Rohem

<b>Sexta-feira 13 de dezembro de 2024</b>	
	<b>Sessão 5 – Propriedades de adesivos II - Chair: RJC Carbas (INEGI, Portugal) e S de Barros (CEFET/RJ, Brasil)</b>
10:00	J Integral vs CBBM in fracture analysis of highly deformable adhesives (CLBA24_10) M Ribas (INEGI, Portugal), A Akhavan-Safar, RJC Carbas, EAS Marques, S Wenig, LFM da Silva
10:20	Cyclo-olefin polymer multi-material hotmelt adhesive - Mechanical characterization, joint testing and numerical modelling (CLBA24_11) VCMB Rodrigues (INEGI, Portugal), RJC Carbas, EAS Marques, K Ejiri, A Klein, B Nelson, LFM da Silva
10:40	Effect of double double laminates on the fracture energy in mode I of adhesive joints (CLBA24_18) A Bezerra, LL Vignoli, RM Carneiro Neto (Universidade Federal do Rio de Janeiro, Brasil), EM Sampaio
11:00	Numerical analysis of the bonded composite joints under mixed-mode using design of experiments and CBBM method (CLBA24_22) R Beck, JAP da Silva, LFM da Silva, V Tita, R De Medeiros (Santa Catarina State University, Brazil)
<b>11:20</b> - <b>11:40</b>	<b>PAUSA</b>
	<b>Sessão 6 – Juntas adesivas estruturais II - Chair: EAS Marques (FEUP, Portugal) e V Tita (Universidade de São Paulo, Brasil)</b>
11:40	Virtual testing of single lap joint bonded composite structures using 2D and 3D finite element models (CLBA24_23) D Dametto, R Beck, LFM da Silva, V Tita, R De Medeiros (Santa Catarina State University, Brazil)
12:00	Failure modes and fracture analysis of DCB composite bonded joints using XFEM (CLBA24_24) LL Daufenback, R Beck (Santa Catarina State University, Brazil), V Tita, R De Medeiros
12:20	Joint design and mechanical characterization processes for high performance bonded structures (CLBA24_30) EAS Marques (University of Porto, Portugal), A Akhavan-Safar, RJC Carbas, BD Simões, FC Sousa, AF Tenreiro, AM Lopes, LFM da Silva
12:40	Development of a unified specimen for direct generation of cohesive zone law data of adhesives – Fracture components (CLBA24_5) DS Correia (INEGI, Portugal), EAS Marques, RJC Carbas, LFM da Silva
<b>13:00</b> - <b>14:00</b>	<b>PAUSA</b>
	<b>Sessão 7 – Durabilidade - Chair: BD Simões (FEUP, Portugal) e R De Medeiros (Universidade de Santa Catarina, Brasil)</b>
14:00	Fluência de juntas coladas submetidas ao envelhecimento higroscópico (CLBA24_19) E Pinto, R Grangeat, NR Rohem Ferreira, EM Sampaio, S de Barros (CEFET/RJ, Brasil)
14:20	Effect of an industrial painting process on mechanical strength of epoxy-based adhesive joints exposed to condensation humidity and salt-spray (CLBA24_20) DSC Junior (Federal University of Rio Grande, Rio Grande, Brazil), J Fleck, D Tolotti, KE Bianchi

14:40	A design and validation process for structural bonded joints exposed to harsh service conditions <b>(CLBA24_31)</b> <u>EAS Marques</u> (University of Porto, Portugal), <u>BD Simões</u> , <u>A Akhavan-Safar</u> , <u>RJC Carbas</u> , <u>LFM da Silva</u>
15:00	Development of a cohesive zone model for characterizing the fracture behavior of pressure-sensitive adhesives <b>(CLBA24_4)</b> <u>BD Simões</u> (INEGI, Portugal), <u>HC Sousa</u> , <u>EAS Marques</u> , <u>RJC Carbas</u> , <u>S Maul</u> , <u>P Stihler</u> , <u>P Weißgraeber</u> , <u>LFM da Silva</u>
<b>15:20</b> - <b>15:40</b>	<b>PAUSA</b>
	<b>Sessão 8 – Aplicações - Chair: LFM da Silva (FEUP, Portugal) e S de Barros (CEFET/RJ, Brasil)</b>
15:40	Qualificação e desenvolvimento de procedimentos de aplicação de reparos em tubulações offshore <b>(CLBA24_25)</b> <u>EM Sampaio</u> , <u>IC Dutra</u> (Universidade do Estado do Rio de Janeiro, Brasil), <u>NRF Rohem</u> , <u>VA Perrut</u>
16:00	Melhoria da propriedade anticorrosiva de vernizes com nanopartículas de alumina e sílica <b>(CLBA24_27)</b> <u>A Vinagre Neto</u> (Universidade Federal do ABC (UFABC), Brasil), <u>RR de Sousa Junior</u> , <u>TM Coutinho</u> , <u>DJ dos Santos</u>
16:20	Lignina kraft hidroxipropilada como resina taquificante em adesivo hot melt <b>(CLBA24_28)</b> <u>LP Freitas</u> (Universidade Federal do ABC (UFABC), Brasil), <u>RR de Sousa Junior</u> , <u>LG de Freitas</u> , <u>DJ dos Santos</u>
16:40	<b>Encerramento CLBA24</b>