



AUGUST 23-27, 2021 - LYON, FRANCE

IEEE CASE 2021

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IEEE CASE 2021 – GENERAL INFORMATION

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CONFERENCE COFFEE BREAK / LUNCH

Salon Pasteur

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IEEE CASE 2021 – CONFERENCE INFORMATION

Keynote Speakers

Date	Time	Content	Venue
Aug. 24	08:30-09:00	Opening Ceremony	Auditorium
	09:00-10:00	Keynote: Dolores ROMERO MORALES (TuK1N)	
	14:00-15:00	Keynote: Jianjun SHI (TuK2N)	
Aug. 25	08:30-09:30	Keynote: Jean-Bernard LASSERRE (WeK3N)	
Aug. 26	08:30-09:30	Keynote: Philippe VIALLETTELLE (ThK4N)	

Industrial Panel

Date	Time	Content	Venue
Aug. 26	13:30-15:30	<i>Data-driven automation in industry</i> Moderator: Stéphane Dauzère-Pérès	Auditorium
Panelists	David DE ALMEIDA, SNCF; Hongwei DING, Alibaba Group; Bertrand FELIX, La Ruche Industrielle; Ludovic LAMARSALLE, HEVA; Claude LE PAPE-GARDEUX; Michael MAINAUD, Volvo; Scott MASON, Amazon; Philippe VIALLETTELLE, STMicroelectronics		

Social Program

Event	Date	Time	Venue
Welcome Reception	Aug. 23	19:00-22:30	City Hall
Lunch with leaders	Aug. 24	12:00-13:30	Salon Pasteur
Women & Young Professional in Engineering	Aug. 25	12:15-13:15	Rhône 3A
Conference Banquet	Aug. 25	19:30-23:00	Abbaye Collonges - Paul Bocuse
Farewell Reception	Aug. 26	19:00-22:00	Les Bateaux Lyonnais

Notes

There will be banquet shuttle bus between the conference venue and the Abbaye Collonges.

Pick up time: Wednesday - 19:00

Pick up location: Conference venue (Centre des Congrès de Lyon, 50 quai Charles de Gaulle 69006 Lyon, France)

IEEE CASE 2021 – MONDAY AUGUST 23, 2021 – WORKSHOPS

	T2 (Rhône 1)	T3 (Rhône 2)	T4 (Rhône 3A)	T5 (Rhône 3B)
09:00-12:30	WS1: <i>Smart LEGO Factories for Engineering Education</i>	WS2: <i>Novel robot technologies for agile manufacturing</i>	WS3: <i>Smart Robotic Systems for Advanced Manufacturing Industries</i>	WS4: <i>Cybersecurity in Industrial Control Systems with an automation perspective</i>
Lunch - WeLUBR (Salon Pasteur)				
14:00-18:30	WS5: <i>Developing a Common Knowledge on Digital Twins for Smart Manufacturing Systems</i>		WS3: <i>Smart Robotic Systems for Advanced Manufacturing Industries</i>	WS4: <i>Cybersecurity in Industrial Control Systems with an automation perspective</i>

IEEE CASE 2021 – TUESDAY AUGUST 24, 2021 – PARALLEL SESSIONS

	T1 (Auditorium)	T2 (Rhône 1)	T3 (Rhône 2)	T4 (Rhône 3A)	T5 (Rhône 3B)	T6 (St Clair 1)
10:30-12:30	<i>Intelligent and Flexible Mfg. 1</i> Regular Session TuAT1	<i>Industrial Robots</i> Regular Session TuAT2	<i>Logistics</i> Regular Session TuAT3	<i>Sensor-based Control</i> Regular Session TuAT4	<i>Additive Manufacturing</i> Regular Session TuAT5	<i>Probability and Statistical Methods</i> Regular Session TuAT6
Lunch - WeLUBR (Salon Pasteur)						
15:30-17:30	<i>ML and DA for Failure Analysis in Manuf. Indus</i> Special Session (7) TuBT1	<i>Industrial and Service Robotics</i> Regular Session TuBT2	<i>Deep Learning in Robotics and Automation 2</i> Regular Session TuBT3	<i>Simulation for semiconductor manufacturing SC</i> Special Session TuBT4	<i>Advance in Sustainable Automation</i> Special Session TuBT5	<i>Formal Methods in Robotics and Automation</i> Regular Session TuBT6
	T7 (St Clair 2)	T8 (Rhône 4)	T9 (St Clair 3A)	T10 (St Clair 3B)	T11 (St Clair 4)	
10:30-12:30	<i>Robot Networks and Medical Robots Systems</i> Regular Session TuAT7	<i>Manufacturing, Maintenance and Supply Chains</i> Regular Session TuAT8	<i>New Methods for Intel. Mfg. Ops. Management</i> Special Session TuAT9	<i>Deep Learning in Robotics and Automation</i> Regular Session TuAT10	<i>AI-Based Methods 1</i> Regular Session TuAT11	
Lunch - WeLUBR (Salon Pasteur)						
15:30-17:30	<i>Robotic control within Industry 4.0</i> Special Session TuBT7	TuBT8	<i>Planning, Scheduling and Coordination 1</i> Regular Session TuBT9	<i>Intelligent and Flexible Manufacturing 2</i> Regular Session TuBT10	<i>AI-Based Methods 2</i> Regular Session TuBT11	

IEEE CASE 2021 – WEDNESDAY AUGUST 25, 2021– PARALLEL SESSIONS

	T1 (Auditorium)	T2 (Rhône 1)	T3 (Rhône 2)	T4 (Rhône 3A)	T5 (Rhône 3B)	T6 (St Clair 1)
10:00-12:00	<i>Best Conference Paper Award and Best Application Paper Award</i> Regular Session WeAT1	<i>Semiconductor Manufacturing</i> Regular Session WeAT2	<i>Advances of Digital Twin for Intelligent Manufacturing</i> Special Session WeAT3	<i>Applications of Discrete-Event Systems</i> Special Session WeAT4	<i>Robotics and Automation</i> Regular Session WeAT5	WeAT6
Lunch - WeLUBR (Salon Pasteur)						
13:30-15:30	<i>Best Healthcare Automation Paper Award + Stochastic Modeling and Opt. in HC Systems</i> Special Session WeBT1	<i>Optimization and Optimal Control 2</i> Regular Session WeBT2	<i>Planning, Scheduling and Coordination 2</i> Regular Session WeBT3	<i>Foundations of Automation and Robust/Adaptive Control</i> Regular Session WeBT4	<i>Health Care Management</i> Regular Session WeBT5	<i>Computer Vision for Manufacturing and Transportation</i> Regular Session WeBT6
Coffee Break - WePMBR (Salon Pasteur)						
16:00-18:00	<i>Best Student Paper Award</i> Regular Session WeCT1	<i>Planning and Scheduling in Semiconductor Manufacturing</i> Special Session WeCT2	<i>Analysis of microscopy images for defect detection and structure recog.</i> Special Session WeCT3	<i>Autonomous Vehicle Navigation</i> Regular Session WeCT4	<i>Modelling, Simulation and Optimization in Healthcare</i> Special Session WeCT5	<i>Computer Vision in Automation 1</i> Regular Session WeCT6

IEEE CASE 2021 – WEDNESDAY AUGUST 25, 2021 – PARALLEL SESSIONS

	T7 (St Clair 2)	T8 (Rhône 4)	T9 (St Clair 3A)	T10 (St Clair 3B)	T11 (St Clair 4)
10:00-12:00	WeAT7	WeAT8	<i>Optimization and Optimal Control 1</i> Regular Session WeAT9	<i>Deep Learning in Robotics and Automation 3</i> Regular Session WeAT10	<i>Motion and Path Planning 1</i> Regular Session WeAT11
Lunch - WeLUBR (Salon Pasteur)					
13:30-15:30	<i>Motion and Path Planning 2</i> Regular Session WeBT7	<i>Model Learning for Control</i> Regular Session WeBT8	WeBT9	<i>Smart Semiconductor Manufacturing</i> Special Session WeBT10	<i>Task Planning and Swarms</i> Regular Session WeBT11
Coffee Break WePMBR (Salon Pasteur)					
16:00-18:00	WeCT7	<i>Advances of Machine Learning for Smart Mfg.</i> Special Session WeCT8	<i>Planning, Scheduling and Coordination 3</i> Regular Session WeCT9	<i>Big-Data and Data Mining</i> Regular Session WeCT10	<i>Motion and Path Planning 3</i> Regular Session WeCT11

IEEE CASE 2021 – THURSDAY AUGUST 26, 2021 – PARALLEL SESSIONS

	T1 (Auditorium)	T2 (Rhône 1)	T3 (Rhône 2)	T4 (Rhône 3A)	T5 (Rhône 3B)	T6 (St Clair 1)
10:00-12:00	<p><i>Planning, Scheduling and Coordination 4</i></p> <p>Regular Session ThAT1</p>	<p><i>On enhancing predictive capabilities (Advanced Process Control)</i></p> <p>Special Session ThAT2</p>	<p><i>Collaborative Robots in Manufacturing</i></p> <p>Regular Session ThAT3</p>	<p><i>Data Driven Automation in Decision Making for Intelligent Systems</i></p> <p>Special Session ThAT4</p>	<p><i>Robotics and Automation in Construction</i></p> <p>Regular Session ThAT5</p>	<p><i>Intelligent Transportation Systems</i></p> <p>Regular Session ThAT6</p>
Lunch - ThLUBR (Salon Pasteur)						
13:30-15:30	<p><i>Industry Panel</i></p> <p>Special Session ThIPT1</p>					<p><i>Data-driven Modeling, Analysis and Control of Adv. Mgmt. Systems</i></p> <p>Special Session ThIPT6</p>
Coffee Break - ThPMBR (Salon Pasteur)						
16:00-18:00	<p><i>Machine Learning 2</i></p> <p>Regular Session ThBT1</p>	<p><i>Scheduling methods for Adv. Mfg. Systems</i></p> <p>Special Session ThBT2</p>	<p><i>Automation at Micro-Nano Scales</i></p> <p>Regular Session ThBT3</p>	<p><i>Autonomous Agents</i></p> <p>Regular Session ThBT4</p>	<p><i>Building Automation</i></p> <p>Regular Session ThBT5</p>	<p><i>Distributed path and task planning of multiagent sys.</i></p> <p>Special Session ThBT6</p>

IEEE CASE 2021 – THURSDAY AUGUST 26, 2021– PARALLEL SESSIONS

	T7 (St Clair 2)	T8 (Rhône 4)	T9 (St Clair 3A)	T10 (St Clair 3B)	T11 (St Clair 4)
10:00-12:00	<i>Recent Advances in Degradation Data Analysis</i> Special Session ThAT7	<i>Computer Vision in Automation 2</i> Regular Session ThAT8	<i>Simulation Optimization in New Information Age 1</i> Special Session ThAT9	<i>Factory Automation</i> Regular Session ThAT10	<i>Motion and Path Planning 4</i> Regular Session ThAT11
Lunch - ThLUBR (Salon Pasteur)					
13:30-15:30	<i>Collision Avoidance</i> Regular Session ThIPT7	<i>Human Factors and Human-in-the-Loop</i> Regular Session ThIPT8	<i>Simulation Optimization in New Information Age 2</i> Special Session ThIPT9	<i>Machine Learning 1</i> Regular Session ThIPT10	<i>Cloud Computing For Automation</i> Regular Session ThIPT11
Coffee Break - ThPMBR (Salon Pasteur)					
16:00-18:00	<i>Collaborative ontologies for semiconductor Supply chains</i> Special Session ThBT7	<i>Agricultural Automation and Biomimetics</i> Regular Session ThBT8	<i>Simulation Optimization in New Information Age 3</i> Special Session ThBT9	<i>Data-driven Models for Healthcare Operations</i> Special Session ThBT10	<i>Human-Centered Automation</i> Regular Session ThBT11

IEEE CASE 2021 – FRIDAY AUGUST 27, 2021

Technical tours (see <https://case2021.sciencesconf.org/>)

Volvo	08:30-17:30	Technical tour
SNCF	08:30-17:30	Technical tour

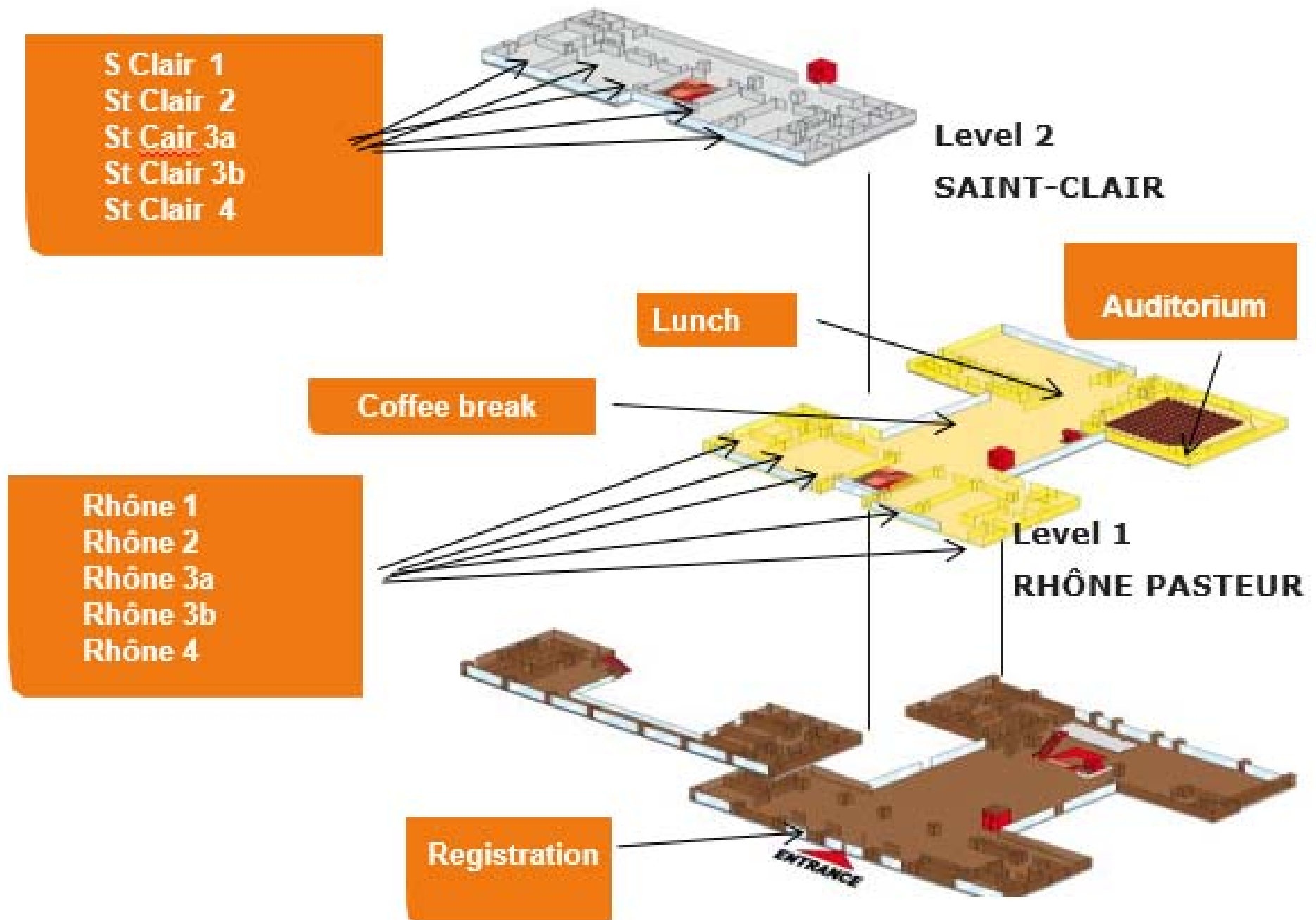
Notes

There will be banquet shuttle bus between the conference venue and the Technical Tour sites.

Pick up time: see <https://case2021.sciencesconf.org/>

Pick up location: see <https://case2021.sciencesconf.org/>

IEEE CASE 2021 – MAP



IEEE CASE 2021 – COVID-19

COVID REFERENT

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see

<https://www.gouvernement.fr/en/coronavirus-covid-19>



IEEE CASE 2021 – PROGRAM AT A GLANCE

Monday Aug. 23		Tuesday Aug. 24		Wednesday Aug. 25		Thursday Aug. 26		Friday Aug. 27	
09:00-10:30	Workshops	08:30-09:00	Opening Ceremony	08:30-09:30	Keynote 3	08:30-09:30	Keynote 4	08:30-17:30	Technical tours
		09:00-10:00	Keynote1	09:30-10:00	AM Break	09:30-10:00	AM Break		
10:30-11:00	AM Break	10:00-10:30	AM Break	10:00-12:00	11 Parallel sessions	10:00-12:00	11 Parallel sessions		
11:00-12:30	Workshops	10:30-12:30	11 Parallel sessions						
12:30-14:00	Lunch	12:30-14:00	Lunch	12:00-13:30	Lunch	12:00-13:30	Lunch		
14:00-15:30	Workshops	14:00-15:00	Keynote 2	13:30-15:30	11 Parallel sessions	13:30-15:30	11 Parallel sessions		
15:30-16:00	PM Break	15:00-15:30	PM Break	15:30-16:00	PM Break	15:30-16:00	PM Break		
16:00-18:30	Workshops	15:30-17:30	11 Parallel sessions	16:00-18:00	11 Parallel sessions	16:00-18:00	11 Parallel sessions		
19:00-22:30	Welcome Reception			19:30-23:00	Ceremony banquet	19:00-21:00	Farewell reception		

