

PROGRAMME

1st Franco-AMSUD Energy and Environment Meeting

18 March 2019		19 March 2019		20 March 2019		21 March 2019	
8h30-9h45	Registration and welcome	9h00-9h50	Plenary lecture :GuillaumeKRIVTCHIK Scenario Planning and Decision Making: The Case of the French Electricity Production Park	9h00-9h50	PLENARY LECTURE: Philippe MARTY Survey of thermal energy storage techniques and achievements	9h00-9h50	PLENARY LECTURE: Andrés FUENTES : Design and Execution of a Long-Term Energy Policy for Chile
9h45-10h30	Sylvie DAVIET, Olivier POULIQUEN, Romain LAFFONT		Session 3 chairman : Eduardo BURIN		Session 5 Chairman: Pedro RESZKA		Session 6 Chairman: Denis MAILLET
10h30-11h20	Plenary lecture Wolfgang CRAMER (member of GIEC)Climate change, an updated risk assessment	10h00-10h20	JFA_N16 :Ricardo BRANCHER, Stefan STEFANOV, Irina GRAUR and Aldo FREZZOTTI: <i>DSMC Simulation of Gas on an Adsorbing Surface.</i>	9h50-10h10	JFA_N30 : R.H HERNANDEZ: <i>Energy and Scalar Dynamics during Vortex Ring Collisions</i>	9h50-10h10	JFA_N17 : Denize KALEMPA Vinicius BRAGA LEITE and Irina GRAUR: <i>Numerical simulation of evaporation and condensation around a droplet via a kinetic model to the Boltzmann equation</i>
	Session 1 Chairman N. ROCHE	10h20-10h40	JFA_N27 : Camilo F. SILVA, Philip BONNAIRE, Stephan SCHUSTER and Sebastian BARTL: <i>Towards efficient uncertainty quantification in computational fluid dynamics</i>	10h10-10h30	JFA_N29 : Gonzalo SEVERINO, Jorge CONTRERAS and Andrés FUENTES: <i>Soot Temperature Measurements Via Pyrometry in a Wildland Fuel Layer</i>	10h10-10h30	JFA_46 : Baptiste BOUILLOT, Son HO-VAN, Jérôme DOUZET and Jean-Michel HERRI: <i>Thermodynamics of Cyclopentane Hydrates for Water Treatment and Desalination: experimental and modelling study</i>
11h20-11h40	JFA_N20 : Miguel GALVEZ, Jorge CONTRERAS, Rodrigo BARRAZA, Daniela DÍAZ, Rocío HERNÁNDEZ and Pablo RIVERA : Performance of an air radiative cooling system in a residential building in Chile	10h40-11h10	COFFEE BREAK	10h30-11h00	COFFEE BREAK	10h30-11h00	COFFEE BREAK
11h40-12h00	JFA_N14 : Alexandre de SÁ, Victor PIGOZZO, Lounès TADRIST and Júlio PASSOS : Optical and Thermal Investigations of an Experimental Linear Fresnel Concentrator Workbench for Direct Steam Generation	11h10-11h30	JFA_N31 : Paul CHORIN, Juan Pablo ROBINSON, Florian MOREAU, Romain GERS, Olivier SKURTYS and Didier SAURY : <i>Experimental and numerical study of the influence of a cylindrical obstacle on the differentially-heated-cavity heat transfer</i>	11h00-11h20	JFA_N33 : Luiggi PESSOA, Francisca CATTANEO and Pedro RESZKA: <i>Experimental investigation of the influence of bulk properties on the ignition of surrogate porous fuel beds</i>	11h00-11h20	JFA_N43 : Denis MAILLET, Vincent SCHICK, Waseem AL HADAD and Benjamin RÉMY: <i>Unsteady conduction and convection in linear thermal systems modeled with transfer functions: application to a heat exchanger</i>
12h00-12h20	JFA_N13 : Abilio Teixeira de SIQUEIRA NETO, Pedro Lo GIUDICE, Eduardo BURIN and Edson BAZZO: <i>Cogeneration Power Plant as an Alternative to Supply the Thermal and Electricity Demands of a Poultry Slaughterhouse</i>	1130-11h50	JFA_N21 : Ievgen MAZURENKO, Pascale INFOSSI, Frédéric TOPIN, Marie-Thérèse GIUDICI-ORTICONI, Nicolas MANO and Elisabeth LOJOU : <i>Electrochemical approach to study Substrate Diffusion and Enzyme Distribution in a Thermostable H₂/O₂ Enzymatic Fuel Cell</i>	11h20-11h40	JFA_N39 : Andrés ARRIAGADA, Jorge CONTRERAS and Aldonza JAKUES : <i>Chemical kinetics mechanisms evaluation for thermal degradation of Chilean forest fuel</i>	12h00-12h20	JFA_N44 : Arnaud LAPERTOT, Benjamin KADOCH and Olivier LE METAYER: <i>Development of optimization method for solar thermal systems</i>
				11h40-12h00	JFA_N4 : Kleber SABAT Da CRUZ, Nathalie MANGELINK-NOEL Damien BARAKEL: <i>Future project: Global (material, electrical and mechanical) evaluation of solar photovoltaic (PV) panels installed in Amazonian communities in Brazil</i>		
12h20-14h00	LUNCH	12h00-14h00	LUNCH	12h20-14h00	LUNCH	12h20-14h00	LUNCH

	Session 2 Chairman: R. DEMARCO		Session 4 chairman Benjamin KADOCH					
14h00-14h20	JFA_N25 : Francisco PATIÑO, Alejandro JEREZ, Jean-Louis CONSALVI and Rodrigo DEMARCO : Numerical study of soot production from laminar coflow non-premixed propane flames: effect of the chemical kinetic mechanism	14h00-14h20	JFA_N5 : Mohamed Ahmed CHERIF, Damien BARAKEL, Saad TOUIHRI and Philippe TORCHIO: <i>New Indium-free electrodes for organic solar cells</i>	14h-15h00		FREETIME	14h00-14h50	PLENARY LECTURE : Julio PASSOS : Energy in Brazil: Present and Future
14h20-14h40	JFA_N28 : José MORAN, Andrés FUENTES, Fengshan LIU and Jérôme YON: FracVAL: An Improved Tunable Algorithm for Generation of Fractal Aggregates Formed by Polydisperse Primary Particles and Subsequent Numerical Tilt Series TEM Images Generation	14h20-14h40	JFA_N9 : Luís Carlos WEBLER, Mario Henrique MACAGNAN and Jacqueline Biancon COPETTI : <i>Study of the geometric efficiency of a linear Fresnel reflector</i>			MARSEILLE VISIT	15H00-17h00	Round Table animated by Jean-Henri Ferrasse
14h40-15h00	JFA_N36 : Felipe ESCUDERO and Jean-Louis CONSALVI: Assessing The Capabilities Of Different Methods To Predict Soot Morphology In Laminar Axisymmetric Diffusion Flames	14h40-15h00	JFA_N11 : Maxim HAYES, Benoit MARTEL, Sébastien DUBOIS, Olivier PALAIS : <i>Study of non-fire through metallization processes of boron-doped polysilicon passivated contacts for high efficiency silicon solar cells</i>					
		15h00-15h20	JFA_N18 : Juan Sebastián ZULETA MARIN , Eduardo Konrad BURIN and Edson BAZZO					
15h00-15h30	COFFEE BREAK	15h20-15h50	COFFEE BREAK					
15h30-15h50	JFA_N40 : Patricio BECERRA BARRIOS, Kevin VARRALL, Hugues PRETREL, Samuel VAUX and Olivier VAUQUELIN : <i>Experiments on bidirectional flow through a ceiling vent in natural ventilation</i>	15h50-16h10	JFA_N23 : Luma CANTO, Lina Maria VARON and José Roberto SIMÕES-MOREIRA: <i>Design of a Secondary Concentrator For High Flux Solar Simulators</i>	15h-17h				
15h50-16h10	JFA_N45 : Ying CHEN, Jingfu WANG and Peng ZHANG: Experimental Study On The Effect Of Diluted Gas On The Characterization Of Air/Ch4 Premixed Laminar Flame	16h10-16h30	JFA_N26 : Jorge CONTRERAS, rocío HERNANDEZ, Jorge BARRIOS, Felipe VILLALOBOS, Rodrigo BARRAZA and Miguel A. GALVEZ: <i>Evaluation of sky temperature correlations in the radiative cooling performance of a metallic flat-plate radiator</i>					
16h10-16h30	JFA_N34 : Guilherme FRAGA, Adriane PETRY, Pedro COELHO, Francis FRANÇA: <i>A Report on Turbulence-Radiation Interaction Effects for Different Optical Thicknesses in Pool Fire Scenarios</i>	16h30-16h50	JFA_N35 : Maike BECKER, Gabrielle REGULA, Guillaume REINHART, Elodie BOLLER, Alexander RACK, José BARUCHEL and Nathalie MANGELINCK-NOËL: <i>In situ X-ray Based Investigation of Grain Competition and Defects During Silicon Crystal Growth for Photovoltaic Applications</i>					
16h30-16h50	JFA_N15 : William Corrêa RADÚNZ, Yoshiaki SAKAGAMI, Isadora Limas COIMBRA, Lucas Germano WILLRICH, Mônica Nassar MACHUCA, Reinaldo HAAS, Júlio César PASSOS, Mayara MIQUELETTI, Eduardo Victor DIAS : <i>Wind profile observations in a complex terrain: Morrinhos wind farm case-study</i>	16h50-17h10	JFA_N37 : Francisco ARAYA, Delfina MUÑOZ, Edward FUENTEALBA, Hervé COLIN, Rodrigo PALMA, Radovan KOPECEC and Bárbara SILVA : <i>Atacama Modules & System Technology Consortium</i>					
				19h30-22H00	GALA DINNER			