International Symposium "Aviation Technologies of XXI Century"

November 26–30, 2018

Programme

November 26 th , Monday			
IFAR Summ	it		
14:30–15:00	Summit Registration	Bryusov hall,	
15:00–16:30	Leadership Team Meeting	Metropol hotel	
16:45–18:30	Steering Committee Meeting #1		
19:00–21:30	Welcome Cocktail Reception	Savva Morozov hall, Metropol hotel	
Meetings			
11:00-12:00	Meetings with NASA Delegation	Tolstoy hall,	
14:30–19:00	Double-sided meetings with IFAR Summit participants	Metropol hotel	
November	27 th , Tuesday		
IFAR Summ	it		
08:30-09:00	Summit Registration (Late Arrivals)	Bryusov hall,	
09:00-09:25	Opening of the Summit. Welcome by the host and significant updates by members	Metropol hotel	
09:25-11:00	Session 1. IFAR's Sustainability and 4 Core activities		
	(1) Technical issues to enable bilateral/multilateral international collaboration:		
	Reports of IFAR WG's: Noise (ONERA), Infrastructure Inventory (NRC), Supersonic & ATM (NASA), Vertical lift (TU Vienna), Climate change — New Challenge for Aircraft development (DLR)		
	Report of activities of members (Head of agencies meetings)		
11:30-13:00	Session 1. IFAR's Sustainability and 4 Core activities (cont.)		
	(2) Information exchange and networking among principals.		
	(3) External IFAR partnership: ICAS, including ICAS–IFAR Award 2020.		
	(4) Human resources development (empowering early career employees):		
	Report on current activities: IFAR Young Researchers Conference 2018		
	 ECN activities 		
	Definition of HR development		
	Discussion		
	Update IFAR's Best practice Document		

TsAGI-ONE	CRA Seminar	
08:15-08:45	Registration and Coffee	Chatsky hall, Metropol
08:45-09:00	Opening & Welcome	
09:00-11:00	Session 1. Aeroacoustics and Noise Control Chairs: Viktor Kopiev (TsAGI), Denis Gély (ONERA)	
11:30–13:00	Session 2. Cooperation Projects Chairs: Sergey Lyapunov (TsAGI), Anne-Laure Delot (ONERA)	
TsAGI-CAR	ADC Conference	
09:00-09:15	Opening & Welcome by TsAGI and CARDC leaders	Boyarsky hall, Metropol hotel
09:15-11:00	Session 1. Aircraft Aerodynamics Chairs: Liu Sen (CARDC), Andrey Wolkov (TsAGI)	
11:30–13:00	Session 2. Laminar-Turbulent Transition Chairs: Maksim Ustinov (TsAGI), Zhang Laiping (CARDC)	
13:00-14:00	Lunch	
IFAR Summ	it	
14:30–15:30	Session 2. Urban Air Mobility Introduction by DLR Keynote speech, including Q&A. Gregor Grandl, Porsche Consulting	Boyarsky hall, Metropol hotel
16:00–18:00	IFAR Café discussions on UAM Introduction to IFAR Café, 5 topics to be discussed	Savva Morozov hall, Metropol hotel
19:00–22:00	IFAR Leadership Team Dinner	Bolshoi Restaurant, Moscow
TsAGI-ONE	CRA Seminar	
14:30–18:00	Session 3. Icing Chairs: Aleksey Miller (TsAGI), Pierre Millan (ONERA)	Chatsky hall, Metropol hotel
TsAGI-CAR	ADC Conference	,
14:30–15:00	Session 3. High Speed Flows Chairs: Zhang Laiping(CARDC), Aleksandr Chevagin (TsAGI)	Boyarsky hall, Metropol hotel
TsAGI-JAX	A Workshop	,
11:00-16:00	Culture Programme for JAXA Delegation	
18:00-20:30	Welcome Reception	
Meetings		
		Tolstoy hall, Metropol hotel
November	28 th , Wednesday	
IFAR Summ	it	
09:00-11:00	Session 2 (Cont.) Presentation of IFAR Café UAM session results and way forward	Bryusov hall, Metropol hotel

11:30–13:00	Session 3. <i>IFAR 2019</i> Summit 2019 presentation by NLR Discussion on theme(s) of Summit 2019 Take the opportunity to have your bi- and multilateral exchanges with other members	
TsAGI-ONE	CRA Seminar	
09:00-11:00	Session 4. Novel Aircraft Configurations Chairs: Aleksandr Chevagin (TsAGI), Laurent Jacquin (ONERA)	Chatsky hall, Metropol hotel
11:30–13:00	Session 5. Flow Control Including Plasma Control Chairs: Aleksandr Chevagin (TsAGI), Laurent Jacquin (ONERA)	
TsAGI-CAR	DC Conference	
09:00-09:30	Arrival of the CARDC Delegation. Welcome Coffee	TsAGI House of
09:30–10:45	Session 4. Experimental Aerodynamics Chairs: Petr Savin (TsAGI), Liu Sen (CARDC)	Scientists, Zhukovsky
10:45-13:00	Facility tour	TsAGI, Zhukovsky
TsAGI-JAX	A Workshop	
09:00–11:30	Arrival of the JAXA Delegation to TsAGI, Registration, Welcome coffee Opening & Welcome. Introduction of the participants Session I. Wind Tunnel Test Technologies Chair: Anton Gorbushin (TsAGI)	TsAGI, Zhukovsky
12:00–13:00	TsAGI Facility Tour (T-101, T-128, Static Tests Hall, Research Flight Simulators, Icing wind tunnel)	
TsAGI-ICA	Re Seminar	
08:30-08:50	Welcome coffee and Registration. Self-introduction	Savva Morozov hall,
09:00-09:20	Messages from EC and Minpromtorg of RF, NCP (TsAGI)	Metropol hotel
09:20-09:45	Latest Progress on Russia – ICARe Activities (Discussion)	
09:45–11:00	Presentation on Russia – Europe Future Collaboration Activities (each topic max 5 min) + short Discussion Sub-group 1: Aircraft Reliability + Airframes Sub-group 2: Flow Control + Safety + Rotorcraft + High-Speed + MDO	
11:15–13:00	Sub-group 2: Flow Control + Safety + Rotorcraft + High-Speed + MDO (continuation) Sub-group 3: Noise Reduction	
13:00-14:00	Lunch	
IFAR Summ	it	
16:00–18:00	TsAGI Historical Technical Tour NIMK (Scientific & Research Moscow Complex) TsAGI: T-1-2 Subsonic Wind Tunnel, Towing Tankl	Moscow Complex TsAGI
19:00–21:30	IFAR Dinner	Moscovsky hall, National hotel

Chairs: Svetlana Kuzmina (TsAGI), Frédéric Laurin (ONERA) 17:00–17:20 Presentation of the TsAGI – ONERA Award 2018 Project 17:20–18:20 Session 7. Non-linear Flight Dynamics and Flight Control Chairs: Maria Sidoryuk (TsAGI), Dominique Farcy (ONERA) 18:20–18:30 General Discussion / Conclusion of the 17th TsAGI – ONERA Seminar TsAGI-CARDC Conference 15:00–16:35 Session 5. Applied Aerodynamics Chairs: Liu Sen (CARDC), Andrey Wolkov (TsAGI) 17:00–17:45 Visit to TsAGI Museum TsAGI 18:30-20:30 Banquet	ntsky hall, ropol hotel GI House of antists, Zhukovsky
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TsAGI-JAXA Workshop	
15:00–17:00 Session II. Aircraft Structure Chair: Sergey Paryshev (TsAGI)	GI, Zhukovsky
17:00–17:30 Wrap-up and Day Closure	
TsAGI-ICARe Seminar	
0 1 v v v	va Morozov hall, ropol hotel
15:45–17:00 Discussion and Conclusions of Common Interests, Europe, Russia	
17:00–17:30 AOB, Summary, Action Items	
18:00–20:00 Welcome Reception Red hote	hall, Metropol
Meetings	
	stoy hall, ropol hotel
November 29 th , Tuesday	
IFAR Summit	
	usov hall, ropol hotel
IFAR members' research on "Electric/Hybrid propulsion": Overview and Presentation of IFAR members' capabilities by NRC and DLR (Plenary)	
IFAR members' research on "Electric/Hybrid propulsion": Overview and Presentation of IFAR members' capabilities by NRC and DLR (Plenary) 09:30–12:30 Principal only discussion Chemical Control of the C	khov hall, ropol hotel
IFAR members' research on "Electric/Hybrid propulsion": Overview and Presentation of IFAR members' capabilities by NRC and DLR (Plenary) O9:30–12:30 Principal only discussion Check Metro O9:30–12:30 Steering Committee Meeting #2 Bryte	,

TsAGI-ONE	RA Seminar	
10:00-13:00	Culture Programme	
TsAGI-CAR	DC Conference	
09:00-11:00	Session 6. Aeroacoustics Chairs: Zhang Laiping (CARDC), Victor Kopiev (TsAGI)	Moscow Complex TsAGI
11:00-13:00	Visit to Facilities of Moscow Research Complex TsAGI: Acoustic Chamber AC-2 and Towing tank	Moscow Complex TsAGI
TsAGI-JAX	A Workshop	
09:00-12:00	Session III. Civil Supersonic Aircraft Technologies / Sonic Boom Chair: Maksim Ustinov (TsAGI)	Savva Morozov hall, Metropol hotel
12:00-13:00	Session IV: Helicopters	
TsAGI-ICAI	Re Seminar	
10:00-12:30	Technical Tour, TsAGI Premises	TsAGI, Zhukovsky
13:00-14:00	Lunch	
IFAR Summ	it	
14:00–15:30	Session 5. Attracting young people to aeronautics research — Principal only discussion	Chekhov hall, Metropol hotel
14:00-15:30	Steering Committee bilateral exchanges	Bryusov hall, Metropol hotel
16:00–16:30	Presentation of the results and AI's of Session 5 (Plenary)	
16:30-17:00	Summary of decisions of the Summit	
17:00-17:30	Feedback and closing of the Summit	
TsAGI-CAR	DC Conference	
14:00–15:30	Presentation of TsAGI capabilities and discussion of cooperation in the areas: hydrodynamics, aeroacoustics	Moscow Complex TsAGI
TsAGI-JAX	A Workshop	
	Session V. Flight Safety Chair: Sergey Bazhenov (TsAGI)	Savva Morozov hall, Metropol hotel
Meetings		
14:00-15:00	FAI	
17:30–18:00	CARDC	Tolstoy hall, Metropol hotel
18:00–21:30	TsAGI 100 th Anniversary Ceremonial Reception	Metropol hall, Metropol