

PROGRAMME

MONDAY, OCTOBER 11, 2010

12.00 - 21.00 **REGISTRATION**
19.00 **WELCOME PARTY**

TUESDAY, OCTOBER 12, 2010

9.00 – 10.15	WELCOME AND OPENING ADDRESSES: <u>Academician Yu.N. Bubnov</u> <i>A.N. Nesmeyanov Institute of Organoelement Compounds RAS, Moscow, Russia</i> THE GERMAN-SOVIET SYMPOSIUM ON FLUORINE CHEMISTRY: BEFORE AND AFTER “PERESTROIKA” <u>Prof. Dr. A. Haas</u> <i>Facultät für Chemie, RUB, Germany</i>
L-I	

10.15 – 13.25 **SESSION 1**
Chairman: Prof. N.D. Chkanikov

10.15	L-01	SELECTIVE FLUORINATION. KEY FOR SYNTHESIS AND APPLICATION OF ANALOGS OF BIOLOGICALLY RELEVANT COMPOUNDS <u>G. Haufe</u> <i>Westfälische Wilhelms-Universität, Munster, Germany</i>
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11.10 – 11.30 *Coffee-break*

11.30	L-02	RECENT PROGRESS AND DEVELOPMENT OF “LEV YAGUPOLSKII PRINCIPLE” – SUBSTITUTION OF E=O FOR E=NSO₂CF₃ <u>Yu.L. Yagupolskii, L.M. Yagupolskii</u> , R.Yu. Garlyauskayte, A.G. Posternak, L.V. Sokolenko, I.I. Maletina, S.V. Shelyazhenko <i>Institute of Organic Chemistry, NASU, Kiev, Ukraine</i>
12.05	L-03	NUCLEOPHILIC TRIFLUOROMETHYLATION OF C=N AND C=C BONDS <u>A.D. Dilman</u> , V.V. Levin, V.A. Tartakovsky <i>N.D. Zelinskii Institute of Organic Chemistry RAS, Moscow, Russia</i>
12.40	L-04	FLUORINATED 2-METHYLIDENE-1,3-DICARBONYL COMPOUNDS IN ORGANIC SYNTHESIS <u>V.I. Saloutin</u> , Ya.V. Burgart, O.N. Chupakhin <i>I.A. Postovskiy Institute of Organic Synthesis UB RAS, Ekaterinburg, Russia</i>

13.25 - 14.30 *Lunch*

14.30 – 18.30

SESSION 2

Chairman: Prof. Yu.L. Yagupolskii

14.30	L-05	FLUORINE MEETS PEPTIDES B. Koks , M. Salwiczek, E. Nyakatura, S. Yee, U. Gerling <i>Freie Universität, Berlin, Germany</i>
15.15	L-06	C-OXYALKYLATION OF NITROGEN-CONTAINING π-SYSTEMS WITH POLYFLUOROCARBONYL COMPOUNDS AS A PATHWAY TO NEW BIOLOGICALLY ACTIVE PRODUCTS N.D. Chkanikov <i>A.N. Nesmeyanov Institute of Organoelement Compounds, RAS, Moscow, Russia</i>
16.00	L-07	ADVANCES IN CHEMISTRY OF POLYFLUOROALKYL AND SULFUR CONTAINING COMPOUNDS V.M. Timoshenko , Yu.G. Shermolovich <i>Institute of Organic Chemistry, NASU, Kiev, Ukraine</i>

16.35 - 16.55

Coffee-break

16.50	L-08	PLANNED AND SURPRISING RESULTS IN ORGANOMETALLIC FLUORINE CHEMISTRY F.A. Akkerman, C. Ehm, R. Kickbusch, M.F. Kühnel, M. Roemer, D. Lentz <i>Freie Universität, Berlin, Germany</i>
17.40	L-09	SYNTHESIS OF 4-FLUOROALKYL-SUBSTITUTED QUINOLINES AS PRECURSORS OF ANTITUMOR AGENTS A.S. Golubey , V.O. Bogomolov ^a , A.F. Shidlovskii ^a , L. G. Dezhenkova ^b , A.A. Shtil ^b , A.S. Peregudov ^a , N.D. Chkanikov ^a ^a <i>A.N. Nesmeyanov Institute of Organoelement Compounds RAS</i> , ^b <i>N.N. Blokhin Cancer Center of Russian Academy of Medical Science, Moscow, Russia</i>
18.05	L-10	ELECTROCATALYTIC SYNTHESIS OF PARTIALLY FLUORINATED COMPOUNDS S.R. Sterlin ^a , N.A. Mayorova ^b , N.D. Kagramanov ^a , V.A. Grinberg ^b ^a <i>A.N. Nesmeyanov Institute of Organoelement Compounds RAS</i> , ^b <i>A.M. Frumkin Institute of Physical Chemistry and Electrochemistry RAS, Moscow, Russia</i>
18.30	L-11	REACTIONS OF POLYFLUOROARENETHIOLS WITH ELECTROPHILES. SYNTHESIS AND SOME TRANSFORMATIONS OF ALLYL POLYFLUOROARYL SULFIDES AND SULFONES R.A. Bredikhin , A.M. Maksimov, V.E. Platonov <i>N.N. Vorozhtsov Novosibirsk Institute of Organic Chemistry SB RAS, Novosibirsk, Russia</i>

WEDNESDAY, OCTOBER 13, 2010

9.00 – 13.00

EXCURSION

13.30 - 14.30

Lunch

14.30 - 19.10

SESSION 3

Chairman: Prof. G. Haufe

14.30	L-12	<p>ADVANCES IN THE CHEMISTRY OF POLYFLUOROAROMATIC ORGANOZINC COMPOUNDS AND IN HYDROGENOLYSIS OF POLYFLUOROARENES UNDER THE ACTION OF ZINC <u>V.E. Platonov</u>, A.S. Vinogradov <i>N.N. Vorozhtsov Novosibirsk Institute of Organic Chemistry SB RAS, Novosibirsk, Russia</i></p>
15.05	L-13	<p>PERSPECTIVES AND RECENT DEVELOPMENTS IN THE SYNTHESIS OF ¹⁸F-LABELLED COMPOUNDS - RADIOTRACERS FOR POSITRON EMISSION TOMOGRAPHY (PET) <u>R.N. Krasikova</u> <i>Institute of Human Brain RAS, St. Petersburg, Russia</i></p>
15.55	L-14	<p>RECENT DEVELOPMENTS IN THE CHEMISTRY OF THE SF₅ GROUP. SYNTHESSES AND APPLICATIONS <u>G.-V. Rösenthaller</u> <i>Jacobs Universität, Bremen, Germany</i></p>

16.40 - 17.00

Coffee-break

17.00	L-15	<p>[2,3]-SYGMATROPIC REARRANGEMENT OF CF₃-CONTAINING NITROGEN AND SULFUR YLIDES <u>S.N. Osipov</u> <i>A.N. Nesmeyanov Institute of Organoelement Compounds RAS, Moscow, Russia</i></p>
17.45	L-16	<p>ALKOXYVINYL POLYFLUOROALKYL KETONES – VERSATILE SYNTHONS IN FLUOROORGANIC CHEMISTRY <u>I.I. Gerus</u> <i>Institute of Bioorganic Chemistry and Petrochemistry, NASU, Kiev, Ukraine</i></p>
18.20	L-17	<p>ELECTROPHILIC REACTIONS OF POLYFLUOROOLEFINS <u>V.F. Cherstkoy</u>, N.I. Delyagina <i>A.N. Nesmeyanov Institute of Organoelement Compounds RAS, Moscow, Russia</i></p>
18.45	L-18	<p>POLYFLUORINATED β-DIIMINES IN SYNTHESSES OF HETEROCYCLIC COMPOUNDS M.A. Kurykin, <u>D.Yu. Vebritsky</u>, O.E. Petrova, M.L. Keshtov <i>A.N. Nesmeyanov Institute of Organoelement Compounds RAS, Moscow, Russia</i></p>

THURSDAY, OCTOBER 14, 2010

9.00 – 13.30

SESSION 4

Chairman: Prof. G.-V. Röschenthaler

9.00	L-19	C-F ACTIVATION OF FLUORINATED MOLECULES AT TRANSITION METALS: FROM MODEL REACTIONS TO CATALYSIS <u>T. Braun</u> , M. Ahijado-Salomon, D. Breyer, A.L. Raza, A. Steffen, M. Teltewskoi, F. Wehmeier <i>Humboldt-Universität, Berlin, Germany</i>
9.45	L-20	CATALYTIC OLEFINATION REACTION – NEW APPROACH TO FLUORINATED COMPOUNDS <u>V.G. Nenajdenko</u> , V.M. Muzalevsky, A.V. Shastin, E.S. Balenkova <i>Moscow State University, Department of Chemistry, Moscow, Russia</i>
10.20	L-21	WEAKLY COORDINATING ANIONS (WCA). FROM ACADEMIC CURIOSITY TO INDUSTRIALLY IMPORTANT COMPOUNDS <u>H. Willner</u> <i>University of Wuppertal, FB C, Wuppertal, Germany</i>

11.05 – 11.25

Coffee –break

11.25	L-22	FLUORIDE TECHNOLOGIES OF RARE AND RARE-EARTH ELEMENTS <u>V.L. Sofronov</u> ^a , A.S. Buinovskiy ^a , A.U. Makaseev ^a , T.D. Malinovskaya ^b , V.I. Sachkov ^b <i>^a"Seversk Technological Institute of the National Research Nuclear University" «MEPhI», Seversk, Russia, ^bTomsk State University, Tomsk, Russia</i>
12.00	L-23	FLUORINE IN THE PERIPHERY: ENABLING CHEMISTRY WITH WEAKLY COORDINATING ANIONS <u>I. Krossing</u> <i>Albert-Ludwigs Universität, Freiburg, Germany</i>
12.45	L-24	NEW METHODS FOR SYNTHESIS OF BASIC ORGANOFLUORINE COMPOUNDS <u>S.M. Igumnov</u> , G.I. Lekonzeva, A.A. Shipigusev, V.L. Don, K.S. Narinyan, A.A. Zabolotskikh <i>A.N. Nesmeyanov Institute of Organoelement Compounds RAS, Moscow, Russia</i>

13.30 - 14.30

Lunch

14.30 – 18.30

SESSION 5
Chairman: Prof. C.N. Osipov

14.30	L-II	ISTC – INEOS RAS <u>O.I. Shchegolikhina</u> <i>A.N. Nesmeyanov Institute of Organoelement Compounds RAS, Moscow, Russia</i>
14.50	L-25	SYNTHESES AND CHEMICAL PROPERTIES OF AZOLES WITH N-POLYFLUORINATED SUBSTITUENTS <u>L.M. Yagupolskii</u>, <u>K.I. Petko</u> , T.M. Sokolenko, S. Yu. Kot <i>Institute of Organic Chemistry, NASU, Kiev, Ukraine</i>
15.35	L-26	FUNCTIONALIZED FLUORINATED CARBA-/CLOSO/-DODECABORATES <u>M. Finze</u> , J.A.P. Sprenger, A.Himmelspach <i>Heinrich-Heine Universität, Duisburg, Germany</i>
16.10	L-27	SYNTHESIS AND PROPERTIES OF PERFLUOROALKYL BORON DERIVATIVES <u>A.A. Tyutyunov</u> , V.K. Menshikov, S.M. Igumnov <i>A.N. Nesmeyanov Institute of Organoelement Compounds, RAS, Moscow, Russia</i>

16.35 – 16.55

Coffee-break

16.55	L-28	OXIDATION OF PERHALOGENATED DODECABORATES $[B_{12}X_{12}]^{2-}$ (X = F, Cl, Br, I) WITH ARSENIC PENTAFLUORIDE <u>C. Knapp</u> , R. Boeré, S. Kacprzak, M. Keßler, M. Rühle <i>Albert-Ludwigs-Universität Freiburg, Freiburg, Germany</i>
17.20	L-29	FLUOROALKYL SUBSTITUTED THIOPYRAN DERIVATIVES <u>S.A. Siry</u> , V.M. Timoshenko <i>Institute of Organic Chemistry, NASU, Kiev, Ukraine</i>
17.45	L-30	SYNTHESIS AND TRANSFORMATIONS OF 3-FLUOROALKYL-2-(HET)ARYLHYDRAZON-1,3-DICARBONYL COMPOUNDS <u>E.V. Shchegolkov</u> , Ya.V. Burgart, O.G. Khudina, V.I. Saloutin <i>I.A. Postovskiy Institute of Organic Synthesis UB RAS, Ekaterinburg, Russia</i>
18.05	L-31	STABLE <i>gem</i>-TRIFLUOROMETHYL ANIONIC σ-COMPLEXES BASED ON 1,3,5-TRIS(SULFONYL)BENZENE DERIVATIVES AND THEIR CHEMICAL TRANSFORMATIONS <u>O.M. Holovko-Kamosenkova</u> , N. Kirij, V. Boiko, Yu. Yagupolskii <i>Institute of Organic Chemistry, NASU, Kiev, Ukraine</i>
18.30	L-32	THE FLUOROALIFATIC SULFOCHLORINE DERIVATIVES OBTAINING BY A METHOD OF THE PHOTOCHEMICAL SULFOCHLORINATION O.S. Andrienko, V.V. Zhuk, T.D. Malinovskaya, <u>N.F. Mingalimov</u> , V.I. Sachkov, V.A. Yanovsky <i>ISD SPhTI, Tomsk State University, Tomsk, Russia</i>

FRIDAY, OCTOBER 15, 2010

9.00 - 13.30

SESSION 6

Chairman: V.M. Timoshenko

9.00	L-33	DIELS-ALDER REACTION OF 3-ACYLAMINO-6-POLYFLUOROALKYL-2H-PYRAN-2-ONE I.S. Kondratov^a , N.A. Tolmachova ^a , I.I. Gerus ^a , V.G. Dolovanyuk ^a , G. Haufe ^b <i>^aInstitute of Bioorganic Chemistry and Petrochemistry, NASU, Kiev, Ukraine</i> <i>^bOrganisch-Chemisches Institut der Universität Münster, Corrensstraße 40, D-48149 Münster, Germany</i>
9.25	L-34	INVESTIGATION OF HIGH-VALENT/HIGH-OXIDIZED COMPOUNDS BY COMBINATION OF FLUORINE CHEMISTRY WITH MATRIX-ISOLATION SPECTROSCOPY S. Riedel <i>Albert-Ludwigs Universität Freiburg, Germany</i>
9.50	L-35	POLYFLUORINATED CHROMENES AND CROMANES BASED ON NATURAL COMPOUNDS D.V. Gusev, A.A. Kadyrov , M.O. Sheloudko, N.D. Chkanikov <i>A.N. Nesmeyanov Institute of Organoelement Compounds, RAS, Moscow, Russia</i>
10.35	L-36	SYNTHESIS OF MULTIFUNCTIONAL α-CF₃-α-AMINO CARBOXYLATES AND PHOSPHONATES VIA COPPER-CATALYZED 1,3-DIPOLAR CYCLOADDITION D.V. Vorobyeva , S.N. Osipov, G.-V.Roeschenthaler <i>A.N. Nesmeyanov Institute of Organoelement Compounds RAS, Moscow, Russia</i>
11.00 - 11.20	<i>Coffee-break</i>	
11.20	L-37	STUDY OF PERFLUOROKETENE DITHIOACETALES AND N,S-ACETALES FOR THE SYNTHESIS OF FLUORINATED ACYCLIC AND HETEROCYCLIC COMPOUNDS S.S. Mykhavlychenko^{a,b} , Yu. G. Shermolovich, J.-P. Bouillon ^b <i>^aInstitute of Organic Chemistry, NASU, Kiev, Ukraine</i> <i>^bUniversité de Rouen, Mont-Saint-Aignan Cedex, France</i>
11.45	L-38	UNUSUAL REACTIONS OF TRIFLUOROMETHYL(BROMO)ENONES WITH NUCLEOPHILES A. Yu. Rulev <i>A.E. Favorsky Institute of Chemistry, SBRAS, Irkutsk, Russia</i>
12.10 – 13.30	Final remarks End of the Symposium	

13.30 - 14.30

Lunch