“The meeting of two personalities is like the contact of two chemical substances: if there is any reaction, both are transformed.”

Carl Jung

PROGRAM NOTEBOOK

Young Chemists Association of Armenia
Association of Professional Chemists of Georgia

www.chemistry.ge/conferences/icys-2014
18 AUGUST, 2014

8:30 - 10:00  Registration of participants
10:00 - 10:30 Opening of the conference

INVITED LECTURES

10:30-11:10  Prof. Valentine Nenajdenko  
I-1.  
Department of Chemistry Moscow State University, Moscow, Russia  
SULFLOWER AND OTHER CHEMICAL FLOWERS

11:10-11:50  Dr. Mikayel Aznauryan  
I-2.  
Department of Biochemistry, University of Zurich, Zurich, Switzerland  
PROBING THE STRUCTURE AND DIMENSIONS OF UNFOLDED PROTEINS WITH SINGLE MOLECULE FRET SPECTROSCOPY

11:50-12:20  COFFEE BREAK

ORAL SESSION A

12:20-12:50  T. Bukia  
K-1.  
I. Javakhishvili Tbilisi State University, Georgia  
SYNTHESIS SOME OF BIOACTIVE ADAMANTANE FRAGMENT CONTAINING NEW DIPEPTIDES VIA UGI REACTION

12:50-13:10  A. S. Harutyunyan  
O-1.  
Scientific and Technological centre of Organic and Pharmaceutical chemistry NAS, Armenia  
SYNTHESIS OF PIPERAZINE SUBSTITUTED PYRANO[4,3-d]THINEO[2,3-b]PYRIDINES
13:10-13:30  A.Ganjali  
O-2. Islamic Azad University, Kahnooj, Iran  
EVALUATION OF SOIL ROOT GROWTH Ziziphora tenuior BY XRF TECHNIQUES

13:30-14:00  Transfer to Ararat Hall restaurant
14:00- LUNCH

18:00-20:00  Yerevan City tour
20:00 - Welcome Party at Aeon Club

19 AUGUST, 2014

INVITED LECTURES

09:30-10:10  Prof. Elizbar Elizbarashvili  
I-3. Institute of Chemistry and Molecular Engineering, Georgian Agrarian University, Georgia  
MACROCYCLIC AZOMETHINES FOR OPTICAL IMAGING

ORAL SESSION B

10:10-10:30  E. Benassi  
O-3. Scuola Normale Superiore, Collegio D’Ancona, Pisa, Italy  
PHOTOINDUCED SYMMETRY−BREAKING INTRAMOLECULAR CHARGE TRANSFER IN A QUADRUPOLAR PYRIDINIUM DERIVATIVE

10:30-10:50  V. Tkach  
O-4. Chernivtsi National University, Ukraine  
THE MATHEMATICAL DESCRIPTION FOR THE WORK OF THE POLY(p-AMMINOACETANILIDE) BASED ELECTROCHEMICAL NITRITE SENSOR

10:50-11:10  M.Pourramezani Harati  
O-5. Islamic Azad University, Kahnooj, Iran  
ANALYSIS OF THE SOIL ROOT GROWTH OF THYMUSVULGRISBY FLAME ATOMIC ABSORPTION
11:10-11:30  N.V. Barykin
O-6.  
Ural Federal University named after the first President of Russia B.N.Yeltsin
AN EFFICIENT APPROACH FOR THE SYNTHESIS OF BIS(THIAZOLES)

11:30-12:00  COFFEE BREAK

12:00-12:30  Y. Baqi
K-2.  
Department of Chemistry, Sultan Qaboos University, Muscat, Oman
ANTHRAQUINONE AS A PRIVILEGED STRUCTURE IN DRUG DISCOVERY
TARGETING NUCLEOTIDE BINDING PROTEINS

12:30-12:50  E.S. Rogovenko
O-7.  
Institute of Chemistry and Chemical Technology, Siberian Branch of the RA S, Krasnoyarsk
THE INVESTIGATION OF GAS PERMEABILITY THROUGH THE GLASS-CRISTALLINE SHELL OF HOLLOW ALUMINOSILICATE CENOSPHERES

12:50-13:10  A. Hasaninejad
O-8.  
Department of Chemistry, Faculty of Science, Persian Gulf University, Bushehr, Iran
ONE-POT, SEQUENTIAL FIVE-COMPONENT SYNTHESIS OF NOVEL SPIRO[INDENO]QUINOXALINE-PYRANOPYRAZOLE DERIVATIVES

13:10-13:30  D.O. Moskovskikh
O-9.  
National University of Science and Technology «MISIS», Moscow, Russia
SPARK PLASMA SINTERING OF SIC POWDERS PRODUCED BY DIFFERENT COMBUSTION SYNTHESIS ROUTES

13:30-13:50  Sh. Sh. Dashyan
O-10.  
Scientific and Technological centre of Organic and Pharmaceutical chemistry NAS, Armenia
SMILES REARRANGEMENT IN THE SYNTHESIS OF THE CONDENSED 3-CYANOPYRIDINES

13:50-14:00  Transfer to Ararat Hall restaurant
14:00-15:00  LUNCH
15:00-17:00  Tour to Matenadaran (The biggest depository of the manuscripts)
17:00-19:00  Tour to Ararat Cognac factory

20 AUGUST, 2014

09:00-20:00  (Optional) Excursion to Yerevan-Noravanq-Tatev-Qarahunj observatory-Yerevan (duration - 22 hrs)
21 AUGUST, 2014

INVITED LECTURES

09:30-10:10  Prof. Igor Trushkov
I-4.  
M. V. Lomonosov Moscow State University, Department of Chemistry
DONOR-ACCEPTOR CYCLOPROPANES IN SYNTHESIS OF CARBO- AND HETEROCYCLES

ORAL SESSION C

10:10-10:30  Kh.G. Kirakosyan
O-11.  Institute of Chemical Physics NAS RA, Yerevan, Armenia
INTERACTION NATURE IN TI-NI SYSTEM AT FAST HEATING CONDITIONS

10:30-10:50  O. A. Mikhaylova
O-12.  Institute of Chemistry and Chemical Technology, Siberian Branch of the RA S, Krasnoyarsk
INVESTIGATION OF CHEMICAL COMPOSITION AND STRUCTURE OF THE SHELL OF CENOSPHERE FLY ASH PRODUCED FROM THE COMBUSTION OF THE EKIBASTUZ COAL.

10:50-11:10  S.S. Khutsishvili
O-13.  A.E. Favorsky Irkutsk Institute of Chemistry Siberian Branch RAS, Irkutsk, Russia
MAGNETIC PROPERTIES OF IRON NANOCOMPOSITES OF ARABINOGLACTAN

11:10-12:40  POSTER SESSION + JUICE

12:40-13:10  N.S. Minasyan
K-3.  Molecular Structure Research Center STC OPC NAS RA, Yerevan, Armenia
ON THE POSSIBILITY OF VISUALIZATION OF AMINO ACIDS INNER ELECTRIC FIELDS BY NMR SPECTROSCOPY

13:10-13:30  Me. Bayat Jozani
O-14.  Department of Polymer Engineering and Color Technology, Amirkabir University of Technology, Tehran, Iran
PREPARATION OF HYBRID RASPBERRY-LIKE COMPOSITES USING DIFFERENT MORPHOLOGIES OF SILVER NANOPARTICLES AND COMPARING THEIR CATALYTIC PROPERTIES
13:30-13:50  L. Harutyunyan  
O-15.  
*Yerevan State University, Department of Chemistry, Yerevan, Armenia*  
EFFECT OF AMINO ACIDS ON AGGREGATION BEHAVIOR OF NONIONIC SURFACTANT HEXADECYL(POLYOXYETHYLENE (20)) ALCOHOL IN AQUEOUS SOLUTIONS

13:50-14:00  Transfer to Ararat Hall restaurant

14:00  LUNCH

15:30-17:00  Tour to History Museum

20:00-  (Optional) Conference Banquet

**22 AUGUST, 2014**

**INVITED LECTURES**

**09:30-10:10  Dr. Artur Mardyukov**  
I-5.  
*Institute of Organic Chemistry, Department of Chemistry, Westfälische Wilhelms-Universität Münster, Münster, Germany*  
SYNTHESIS AND FUNCTIONALIZATION OF POLYMERIC MATERIALS AND POLYMER BRUSHES EXHIBITING VERSATILE SUPRAMOLECULAR INTERACTION STRUCTURED VIA MICROCONTACT CHEMISTRY

**ORAL SESSION D**

**10:10-10:30  K. Motokuni**  
O-16.  
*Friedrich Schiller University Jena, Faculty of Chemistry and Earth Sciences, Germany*  
DOUBLE CYCLIZATION ISOMERIZATION POLYMERIZATION OF VARIOUS TRIENES BY Pd COMPLEX

**10:30-10:50  K.D. Gavlik**  
O-17.  
*Ural Federal University named after the first President of Russia B. N. Yeltsin, Russia*  
REACTION OF ARYLHYDRAZONOAMIDINES WITH ACYL CHLORIDES

**10:50-11:10  I.D. Kovalev**  
O-18.  
*Institute of Structural Macrokinetics and Materials Science RAS, Chernogolovka, Russia*  
INVESTIGATION OF THE PHASE FORMATION MECHANISM OF FLUOPHLOGOPITE IN CONDITIONS OF SHS USING TIME-RESOLVED X-RAY DIFFRACTION
11:10-11:30  A.A. Nepapushev  
O-19.  
National University of Science and Technology “MISIS”, Moscow, Russia  
COMBUSTION JOINING OF CARBON/CARBON COMPOSITES USING REACTIVE MIXTURE OF Ti AND MANi/Al POWDERS

11:30-12:00  COFFEE BREAK

12:00-12:30  S. S. Zhidovinov  
K-4.  
Ural Federal University named after the first President of Russia B.N. Yeltsin, Yekaterinburg, Russia  
NOVEL REARRANGEMENT OF 5-VINYL 1,2,3-THIADIAZOLES TO THIENOPYRIDAZINES

12:30-12:50  K. Shamsi  
O-20.  
Department of crop production and Plant Breeding, Kermanshah Branch, Islamic Azad University, Kermanshah, Iran  
BIOCHEMICAL RESPONSES OF THREE WHEAT CULTIVARS TO SALINITY STRESS

13:00-  CLOSING CEREMONY
POSTERS

P-1. E. Benassi, V. Barone // EFFICIENT COMPUTATIONAL PROCEDURE FOR THE CALCUALTION OF THE pKa OF ORGANIC SYSTEMS IN THEIR ELECTRONIC EXCITED STATES

P-2. A.A. Hovakimyan, S.N. Sirakanyan, A.S. Noravyan // SYNTHESIS OF NEW HETEROCYCLIC SYSTEMS BASED ON PYRAZOLO[3,4-C]-2,7-NAPHTHYRIDINES

P-3. G.A. Shahinyan // THE STUDY OF CONDUCTIVITY OF REVERSE MICELLAR SYSTEMS OF WATER+DIMETHYSULFOXIDE OR DIETHYSULFOXIDE/AOT/N-HEPTANE


P-5. V.V. Sokolova, I.V. Naymushina, A.N. Sadykova, Zh.H. Tashmuhambetova, Zh.K. Kairbekov // LIQUID-PHASE CATALYTIC OXIDATION OF ALKYLARENE BY OXYGEN IN THE PRESENCE OF POLYMER-IMMOBILIZED COMPLEXES OF Co (II), Cu (II) AND Fe (III)


P-8. L. S. Sargsyan, K. R. Grigoryan // THERMAL STABILITY OF HUMAN HEMOGLOBIN IN THE PRESENCE OF TANNIC ACID


P-10. R.O. Iakovenko, A.V. Vasilyev, V.M. Myzalevskiy, V.G. Nenajdenko // ELECTROPHILIC REACTIONS OF 4-ARYL-1,1,1-TRIFLUOROBUTENONES IN SUPERACIDS


P-14. K. Motokuni, D. Takeuchi, K. Osakada // CYCLOPOLYMERIZATION OF DIENES WITH ACYCLIC FUNCTIONAL GROUPS BY Pd COMPLEXES
P-15. S.R. Tosunyan // SYNTHESIS OF THE DERIVATIVES OF BIOLOGICALLY ACTIVE α,β-
DEHYDROAMINO ACIDS WITH MICROWAVE IRRADIATION

OF POTENTIALLY BIOACTIVE BISISOINDOLINIUM SALTS WITH PHENANTRENIC CYCLE

P-17. L.V. Ayrapetyan, E.O. Chukhajian, K.G. Shahkhatuni, El.O. Chukhajian // BASE
CATALYZED INTRAMOLECULAR CYCLIZATION OF DIALKYL (3-PHENYLPROPEN-2-YL)(3-PHENYL-
OR p-CHLORPHENYLPROPYN-2-YL) AMMONIUM BROMIDES

SPIROCYCLIC ANALOGUES OF ALKALOID “CERPEGIN”

HYDROGENATION of TERMINAL HOMOPROPARGYL ALCOHOL 3-METHYL-
HEX-5-YN-3-OL BY LITHIUM ALUMINUM HYDRIDE

ADDITION OF AZOLES TO MVK

P-21. H.S. Ananikyan, V.A.Mnatsakanyan, M.V. Avetisyan // COMPARATIVE
INVESTIGATION OF FATTY OILS FROM SOME Fabaceae SPECIES

P-22. N.A. Miraqyan, N.A. Durgaryan, A.A. Durgaryan // REDUCTION OF POLY(1.4-
QUINONEDIIMINE-N,N’-DIYL-1,4-PHENYLENE)

P-23. T. Minasyan, S. Aydinyan, S. Kharatyan // COMBINED REDUCTION OF COPPER AND
MOLYBDENUM OXIDES IN COMBUSTION MODE

REDUCTION OF SILICA’S OF VARIOUS ORIGIN AND PREPARATION OF SILICON

P-25. H. Kiyaee, M. Khatibzadeh // DEVELOPMENT OF A COLORIMETRIC SENSOR FOR
FISH SPOILAGE MONITORING

P-26. R. Sadr Ghotbi, M. Khatibzadeh, J. Fakhari // COMPARISON OF ANTIBACTERIAL
PROPERTIES OF NEEM SEED OIL AND ETHANOLIC NEEM EXTRACT

Geolchanyan // ASYMMETRIC SYNTHESIS OF NEW ENANTIOMERICALLY
ENRICHED α-AMINO ACIDS CONTAINING SUBSTITUTED THIAZIAZOLE
SUBSTITUENTS IN THE SIDE CHAIN OF RADICAL

P-28. A. S. Galstyan, Sh. G. Margaryan, V.S. Harutyunyan, L.E. Nikitina // NOVEL SULFUR-
CONTAINING DERIVATIVES OF BIS-1,2,4-TRIAZOLE: SYNTHESIS AND
TRANSFORMATION

P-29. Z.T. Karapetyan, A.S. Galstyan // NOVEL 2-SUBSTITUTED-4-BUTANOLIDE
DERIVATIVES AND THEIR SYNTHESIS

P-30. I.L. Aleksanyan, L.P. Hambardzumyan // SYNTHESIS OF NEW HETARYL SUBSTITUTED
QUINOLINES ON THE BASE OF BENZ-SUBSTITUTED 3-(BUTAN-3-
ONE)QUINOLINES
P-31. I.L. Aleksanyan, L.P. Hambardzumyan // SYNTHESIS OF (2-METHYLQUINOLIN-4-YLTHIO)GLYCOLIC ACID AND ITS DERIVATIVES


P-34. G.S. Karakhanyan, A.G. Ayvazyan, R.G. Melik-Ohanjanyan // SYNTHESIS, MOLECULAR AND CRYSTALLINE STRUCTURE OF NEW 9,10-SUBSTITUTED 5-DEAZAFLAVINES


P-36. T.V. Ghochikyan, M.A. Samvelyan, V.S. Harutyunyan, E.V. Harutyunyan // THE NEW DERIVATIVES OF CONDENSING THIAZOLO-TRIAZOLES


P-38. V. Postnov, M. Korsakov, M. Dorogov // SYNTHESIS OF BICYCLIC SULFOPROPIONIC ACIDS CONTAINING OXAZOLE

P-39. L.M. Mironovich, D.V. Shcherbinin // NUCLEOPHILIC SUBSTITUTION IN A SERIES DERIVATIVES OF AMINO (HYDRAZINE)-1,2,4-TRIAZINES

P-40. J. Zvonareva, M. Korsakov, M. Dorogov, A. Liese, A. Himmelspach // THE NEW METHOD FOR THE SYNTHESIS OF MONTELUKAST USING ENZYMATIC SYNTHESIS

P-41. I. Mukherjee, S. Kumar Das, A. Kumar // ADSORPTION OF FLUBENDIAMIDE IN TWO INDIAN SOILS VARYING IN PHYSICOCHEMICAL PROPERTIES

P-42. V.N. Glushko, L.I. Blochina, N.U. Sadovskaya // SYNTHESIS OF FLUORESCEIN-5-ISOTIOCYANATE THE UNIQUE NANOMARKER FOR LABELED IMMUNOGLOBULINES TO CREATE BIOSENSORS


P-45. V. Zvarych, O. Stanko, O. Komarovska-Porokhnyavets, M. Stasevych, V. Novikov // SYNTHESIS AND BIOLOGICAL ACTIVITY OF NEW AMINO ACID DERIVATIVES OF 9,10-ANTHRAQUINONE
P-46. D.V. Sosnovsky, P.A. Purtov // THEORETICAL INVESTIGATION OF NAPROXEN-METHYLPIRROLIDINE’S PHOTOTRANSFORMATIONS


P-48. A.I. Poznyak // THE SINTERING KINETICS OF CERAMIC TILE BODY OF REDUCED THICKNESS


P-50. E.G. Ermolina, R.T. Kuznetsova, Y.V. Aksenova // I$_2$BODIPY AS OPTICAL OXYGEN SENSOR

P-51. V.A. Krylov, V.V. Volkova, P.V. Mosyagin, L.V. Bochkareva, O.A. Saveleva // APPLICATION OF LIQUID-PHASE MICROEXTRACTION PRECONCENTRATION OF IMPURITIES FOR HIGH-SENSITIVITY DETERMINATION OF TOXICANTS IN WATER AND AIR SAMPLES


P-53. T. Muzashvili, M. Masullo, M. Kowalczyk, E. Kemertelidze, W. Oleszek, A. Stochmal, S. Piacente // BIOACTIVE NATURAL COMPOUNDS FROM HELLEBORUS CAUCASICUS A.BR.

P-54. N. Karchava, Sh. Oboladze, A. Kalatozishvili, I. Chikvaidze, Sh. Samsoniya // SYNTHESIS OF SOME NEW INDOLE-3-YL HYDRAZONES FOR OBTAINING PYRIDAZINOINDOLES


P-56. O.T. Seilkhanov, L.A. Sokolova, T.K. Iskakova, K.D. Praliev, T.M. Seilkhanov // NMR SPECTROSCOPIC STUDY OF SUPRAMOLECULAR INCLUSION COMPLEXES OF 1-(2-ETHOXYETHYL)-4-(HEXYNE-1YL)-4-HYDROXYPYRIZEDINE WITH $\beta$-CYCLODEXTRIN

# LOCAL ORGANIZING COMMITTEE

<table>
<thead>
<tr>
<th>Name</th>
<th>Affiliation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viktorya Rstakyan (chairman)</td>
<td>Scientific Technological Center of Organic and Pharmaceutical Chemistry NAS RA</td>
</tr>
<tr>
<td>Khachatur Kirakosyan (vice-chairman)</td>
<td>Institute of Chemical Physics after A.B. Nalbandyan NAS RA</td>
</tr>
<tr>
<td>Armen Galstyan</td>
<td>Yerevan State University</td>
</tr>
<tr>
<td>Lilit Hambardzumyan</td>
<td>Yerevan State University</td>
</tr>
<tr>
<td>Satenik Petrosyan</td>
<td>Yerevan State University</td>
</tr>
<tr>
<td>Hayarpi Simonyan</td>
<td>Yerevan State University</td>
</tr>
<tr>
<td>Astghik Shahkhatuni</td>
<td>Molecular Structure Research Center, STC OPC NAS RA</td>
</tr>
<tr>
<td>Mickael Movisyan</td>
<td>Institute of Biochemistry NAS RA</td>
</tr>
<tr>
<td>Arsen Sahakyan</td>
<td>STC of Organic and Pharmaceutical Chemistry NAS RA</td>
</tr>
<tr>
<td>Sargis Hayotsyan</td>
<td>STC of Organic and Pharmaceutical Chemistry NAS RA</td>
</tr>
<tr>
<td>Zaruhi Halebyan</td>
<td>STC of Organic and Pharmaceutical Chemistry NAS RA</td>
</tr>
<tr>
<td>Inna Karapetyan</td>
<td>STC of Organic and Pharmaceutical Chemistry NAS RA</td>
</tr>
<tr>
<td>Robert Hakobyan</td>
<td>STC of Organic and Pharmaceutical Chemistry NAS RA</td>
</tr>
<tr>
<td>Nune Minasyan</td>
<td>Molecular Structure Research Center, STC OPC NAS RA</td>
</tr>
<tr>
<td>Anna Mkrtchyan</td>
<td>Yerevan State University</td>
</tr>
<tr>
<td>Karine Hakobyan</td>
<td>SPC “Armbiotechnology” of NAS RA</td>
</tr>
<tr>
<td>Yeva Grigoryan</td>
<td>Institute of Chemical Physics after A.B. Nalbandyan</td>
</tr>
<tr>
<td>Harutyun Sargsyan</td>
<td>Yerevan State University</td>
</tr>
<tr>
<td>Andranik Petrosyan</td>
<td>Yerevan State University</td>
</tr>
</tbody>
</table>

# INTERNATIONAL ORGANIZING COMMITTEE

<table>
<thead>
<tr>
<th>Name</th>
<th>Affiliation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elizbar Elizbarashvili</td>
<td>D.Sc. Prof. Georgian Agrarian University, Georgia</td>
</tr>
<tr>
<td>Inga Lomadze</td>
<td>PhD, Georgian Technical University, Georgia</td>
</tr>
<tr>
<td>Inga Khachaturyan</td>
<td>MS, Javakhishvili Tbilisi State University, Georgia</td>
</tr>
<tr>
<td>Anton Chikovani</td>
<td>PhD Fellow, Sukhumi State University, Georgia</td>
</tr>
<tr>
<td>Snezana Djordjevic</td>
<td>PhD, Poison Control Center, Military Medical Academy, Serbia</td>
</tr>
<tr>
<td>Giorgi Pantsulaia</td>
<td>MSc., Tbilisi State University, Georgia</td>
</tr>
<tr>
<td>Anush Hovakimyan</td>
<td>PhD, STC of Organic and Pharmaceutical Chemistry NAS, Armenia</td>
</tr>
</tbody>
</table>
INTERNATIONAL SCIENTIFIC COMMITTEE

Ashot Saghiyan, Professor, academician of NAS RA, Yerevan State University, Armenia
Levon Tavadyan, Dr.Sci., Institute of Chemical Physics after A.B. Nalbandyan, NAS RA, Armenia
Tariel Ghochikyan, Professor, Yerevan State University, Armenia
Gagik Hasratyan, Dr.Sci., Armenian Institute of Applied Chemistry (ARIAC), Armenia
Vigen Topuzyan, Dr.Sci., Scientific Technological Center of Organic and Pharmaceutical Chemistry NAS RA, Armenia
Alexander Mukasyan, Professor of Chemical Engineering, University of Notre Dame, Chicago, USA
Suren Kharatyan, Professor, Institute of Chemical Physics after A.B. Nalbandyan NAS RA, Armenia
Alexander Rogachev, Professor, Institute of Structural Macrskinetics and Materials Science RAS, Russia
Inga Lomadze, PhD Georgian Technical University, Georgia
Karen Martirosyan, Assoc. Professor, The University of Texas at Brownsville, Texas, USA
Tea Matitaishvili, Asis. Prof. Georgian Technical University, Georgia
Javid Monjezi, PhD, Shahid Chamran University, Iran
Volodymyr Tkach, MSc, Chernivtsi National University, Ukraine
Satenik Petrosyan, Ph.D. Yerevan State University, Armenia
Sargis Hayotsyan, PhD, Scientific Technological Center of Organic and Pharmaceutical Chemistry NAS RA, Armenia
Giovanni Roviello, Università degli Studi di Napoli Federico II, Italy
Davide Gozzini, PhD, University of Pavia, Italy
Antonie Nkute, PhD fellow, University of Dschang, Cameroon, Catholic University of Brasil (UCB), Brasil
Astghik Shahkhatuni, PhD, Molecular Structure Research Center, STC OPC NAS RA, Armenia
Elizbar Elizbarashvili, Professor, Georgian Agrarian University, Georgia
Invited Lectures

- Prof. Elizbar Elizbarashvili, Georgia
  "Macro cyclic azomethines for optical imaging"
- Prof. Valentine Nenajdenko, Russia
  "Sulflower and other chemical flowers"
- Prof. Igor Trushkov, Russia
  "Donor-acceptor cyclopropanes in synthesis of carbo- and heterocycles"
- Dr. Mikayel Aznauryan, Switzerland
  "Probing the structure and dimensions of unfolded proteins with single molecule fret spectroscopy"
- Dr. Artur Mardyukov, Germany
  "Brushes exhibiting versatile supramolecular interaction structured via microcontact chemistry"

Organizers