

LIST OF PARTICIPANTS

1. Susan Abernathy, USA
2. Cody Armond, USA
3. Sebastian Baader, Switzerland
4. Cheryl Balm, USA
5. Valeriy Bardakov, Russia
6. Anna Beliakova, Switzerland
7. Paolo Bellingeri, France
8. Maciej Borodzik, Poland
9. Ksenia Burdacheva, Russia
10. Xuanting Cai, USA
11. Jim Cannon, USA
12. Carmen Caprau, USA
13. Alessia Cattabriga, Italy
14. Nafaa Chbili, UAE
15. Micah Chrisman, USA
16. Christopher Cornwell, USA
17. Zsuzsanna Dancso, Canada
18. Sylvia De Toffoli, Germany
19. Michael Eisermann, Germany
20. Peter Feller, Switzerland
21. Alexander Felshtyn, Poland
22. Andrew Gibson, Japan
23. Pedro Gonzales Manchon, Spain
24. Cameron Gordon, USA
25. Dimos Goundaroulis, Greece
26. Christian Graf, Switzerland
27. Kazuo Habiro, Japan
28. Shkelqim Hajrulla, Albania
29. Maria Hempel, Switzerland
30. Cam Van Quach Hong, Switzerland
31. Ying Hu, USA
32. Anna Ilina, Russia
33. Denis Ilyutko, Russia
34. Noboru Ito, Japan,
35. Michał Jabłonowski, Poland
36. Barbara Jablonska, Germany
37. Thomas Jaeger, USA
38. Agata Jastrzębska, Poland
39. Uwe Kaiser, USA
40. Effie Kalfagianni, USA
41. Joanna Kania-Bartoszyńska, USA
42. Alexandr Kazantsev, Russia
43. Danuta Kołodziejczyk, Poland
44. Rafał Komendarczyk, USA
45. Denis Krylov, Russia
46. Christoph Lamm, Germany
47. Victoria Lebed, France
48. Lukas Lewark, Germany
49. Adam Lowrance, USA
50. Wojciech Lubawski, Poland
51. Vassily Manturov, Russia
52. Gregor Masbaum, France
53. William Menasco, USA
54. Gregory Mezera, USA
55. Arnaud Mortier, France
56. Hugh Morton, Great Britain
57. Maciej Mroczkowski, Poland
58. Tomasz Mrowka, USA
59. Michele Mulazzani, Italy
60. Kunio Murasugi, Canada
61. Igor Nikonov, Russia
62. Abdul R. Nizami, Pakistan
63. Krzysztof Pawałowski, Poland
64. Leonid Plachta, Ukraine
65. Michael Polyak, Israel
66. Maxim Prasolov, Russia
67. Candice Price, USA
68. Jozef H. Przytycki, USA
69. Piotr Przytycki, Poland
70. Krzysztof Putyra, USA
71. Roman Razumovsky, Russia
72. Witold Rosicki, Poland
73. Barbara Roszkowska-Lech, Poland
74. Heather Russell, USA
75. Vladimir Shastin, Russia
76. Alexander Shumakovitch, USA
77. Sakie Suzuki, Japan
78. Henryk Toruńczyk, Poland
79. Paweł Traczyk, Poland
80. Tatsuya Tsukamoto, Japan
81. Eva Tudor, Switzerland
82. Karin Valencia, Great Britain
83. Vladimir Vershinin, France
84. Bronisław Wajnryb, Poland
85. Tamara Widmer, Switzerland
86. Akira Yasuhara, Japqn
87. Iqbal Zaffar, Pakistan
88. Andreas Zastrow, Poland
89. Marina Zenkina, Russia
90. Alexander M. Zupan, USA

SCHEDULE – WARSAW

Monday, 19/07

- 10:00–11:00 Józef Przytycki: *Knot theory from Listing to Mrowka*
 11:30–12:30 Alessia Cattabriga: *Plat presentation of links in 3-manifolds*
 15:00–16:00 William Menasco: *Recent work on the Markov Theorem without stabilization*
 16:30–17:00 Zsuzsanna Dancso: *Pentagon and hexagon equations—following Furusho*
 17:15–18:00 Bronisław Wajnryb: *Branched coverings of a disk*

Tuesday, 20/07

- 10:00–11:00 Michael Polyak: *Enumerative geometry, knots and finite type invariants*
 11:30–12:30 Oliver Dasbach: *Turaev genus, knot signature, and other invariants*
 15:00–16:00 Kunio Murasugi: *On roots of the Alexander polynomial of an alternating knot*
 16:30–17:00 Alexandr Kazantsev: *Is it possible to detect the satellite structure of a link by monotonic simplification?*
 17:15–18:00 Nafaa Chbili: *Graph skein modules and symmetry of spatial graphs*

Wednesday, 21/07

- 10:00–11:00 Paolo Bellingeri: *Bigelow-Krammer-Lawrence representations and lower central series of (surface) braid groups*
 11:30–12:30 Maciej Borodzik: *Signatures of knots and semicontinuity relation of spectra of plane algebraic curves*
 15:00–16:00 Effie Kalfagianni: *Guts of surfaces and colored Jones polynomials*
 16:30–17:00 Karin Valencia: *Topological characterization of knots and links arising as products of site-specific recombination on twist knots*
 17:15–18:00 Micah Chrisman: *Combinatorial formulae for virtual knot invariants*

Thursday, 22/07

- 10:00–11:00 Carmen Caprau: *On a categorification of the colored Jones polynomial*
 11:30–12:30 Vassily O. Manturov: *Free knots, parity, graph-links, and cobordisms*
 15:00–16:00 Hugh Morton: *Satellites, knot invariants and meridian maps*
 16:30–17:00 Piotr Przytycki: *Contractibility of the Kakimizu complex*
 17:15–18:00 Pedro M. González Manchón: *Homogeneous links and the Seifert matrix*

Friday, 23/07

- 10:00–11:00 Vladimir Vershinin: *Braids and algebraic topology*
 11:30–12:30 Joanna Kania-Bartoszyńska: *Topological applications of quantum invariants*
 15:00–16:00 Michele Mulazzani: *On the complexity of cyclic branched coverings of some families of knots, links and graphs*
 16:30–17:30 Jim Cannon: *Constructing cyclic branched covers*

Saturday, 24/07

- 10:00–14:00 Excursion: *Tour of the old town of Warsaw*

SCHEDULE – BĘDLEWO

Monday, 26/07

- 10:00–11:00 Cameron Gordon: *Unsolvable problems about higher dimensional knot groups*
 11:30–12:30 Michael Eisermann: *Jones polynomial of ribbon links*
 15:00–15:45 Andrew Gibson: *Nanowords, nanophrases and their finite type invariants*
 16:15–17:00 Adam Lowrance: *A ribbon graph approach to Khovanov homology*
 17:15–18:00 Sebastian Baader: *Scissor equivalence for torus links*

Tuesday, 27/07

- 10:00–11:00 Alexander Shumakovitch: *Torsion of the Khovanov homology for \mathbb{Z}_2 -thin knots*
 11:30–12:30 Anna Beliakova: *A categorification of the Casimir of quantum $sl(2)$*
 15:00–15:45 Noboru Ito: *On Khovanov complexes*
 16:15–17:00 Krzysztof Putyra: *A 2-category of dotted cobordisms and a universal odd $sl(2)$ link homology*
 17:15–18:00 Joanna Kania-Bartoszyńska: *A-polynomial, Dubois torsion and quantum invariants*

Wednesday, 28/07

- 10:00–11:00 Gregor Masbaum: *How to approximate quantum representations of mapping class groups by finite groups*
 11:30–12:10 Heather Russell: *A twisted dimer model for the twisted Alexander polynomial*
 12:25–13:00 Dimos Goundaroulis: *Yokonuma-Temperley-Lieb algebras*
 15:00–15:45 Roman Razumovsky: *Lorenz links and grid diagram representations*
 16:15–17:00 Maxim Prasolov: *Small braids having a big ultra summit set*
 17:15–18:00 Candice Price: *Combinatorial knot Floer homology*

Thursday, 29/07

- 10:00–11:00 Uwe Kaiser: *On the skein algebra of the one-holed torus*
 11:30–12:10 Maciej Mroczkowski: *The Kauffman bracket skein module of a family of prism manifolds*
 12:25–13:00 Xuanting Cai: *A Gram determinant for Lickorish's bilinear form*
 15:00–18:00 Workshop on Quandles organized by Michael Eisermann and Józef Przytycki (Michał Jabłonowski, Barbara Roszkowska-Lech, Krzysztof Putyra, Witold Rosicki) including
 15:00–15:50 Józef Przytycki: *Introduction to racks, quandles, keis and their homology*
 16:15–17:50 Discussion on quandles (with coffee): *Lead by Michael Eisermann*
 Presentation by Barbara Roszkowska-Lech: *Abelian quandles*
 18:00–18:30 Michał Jabłonowski: *Knotted surfaces and equivalences of their diagrams without triple points*

Friday, 30/07

- 10:00–10:50 Michael Polyak: *Conway-type invariants for tangles and open-closed TQFT*
 11:20–11:50 Abdul Rauf Nizami: *Recurrence relation for Jones polynomials*
 12:10–12:50 Barbara Jabłonska: *Surfaces associated to knotted space curves*
 14:30–15:00 Zaffar Iqbal: *Hilbert series of Artin monoid $M(I_2(p))$*
 15:10–15:40 Cody Armond: *Walks along braids and the colored Jones polynomial*
 15:50–16:30 Valery Bardakov: *On some properties of virtual braid group*
 17:00–17:40 Alexander Zupan: *A lower bound on the width of satellite knots*
 17:50–18:30 Vassily O. Manturov: *Parity and cobordisms of virtual knots: new approach to an old problem*

Saturday, 31/07

Excursion to Biskupin and Gniezno

Monday, 02/08

- 10:00–11:00 Tomasz Mrowka: *Khovanov homology is an unknot detector – introduction*
- 11:30–12:30 Kazuo Habiro: *On certain limits of the reduced colored Jones polynomials of knots*
- 12:40–13:10 Akira Yasuhara: *Finite type invariants of string links and the HOMFLYPT polynomial of knots*
- 15:00–15:50 Denis Ilyutko: *Graph-links and homotopy classes of looped graphs*
- 16:20–17:10 Igor Nikonov: *Khovanov homology of graph-links*
- 17:20–18:30 Workshop on Graph–links organized by Vassily O. Manturov (D.Yu. Krylov, Denis Ilyutko, Vassily O. Manturov, Igor Nikonov, Marina Zenkina)

Tuesday, 03/08

- 10:00–11:00 Tomasz Mrowka: *Khovanov homology is an unknot detector*
- 11:30–12:30 Alexander Felshtyn: *How to categorify dynamical zeta functions*
- 12:40–13:10 Tatsuya Tsukamoto: *On simple ribbon moves on links*
- 15:00–15:30 Sakie Suzuki: *On the universal $sl(2)$ invariant of bottom tangles*
- 15:40–16:20 Rafał Komendarczyk: *Milnor invariants for 3-component links via link maps*
- 16:30–17:00 Andreas Zastrow: *On how curves in the plane can intersect: A sheltered middle path can be a topologist's sine curve*
- 17:15–17:45 Chris Cornwell: *Polynomial and contact invariants of links in lens spaces*
- 18:00–18:30 Leonid Płachta: *The braid index of classical and singular links*
- 20:00–21:00 Tomasz Mrowka: *Khovanov homology is an unknot detector – conclusion*