

**The Third Pan-Pacific International Conference on  
Topology and Applications**

**November 8-13, 2019**

**Chengdu, People's Republic of China**

**Conference Schedule  
(Session-by-Session)**

**November 8                      Arrival and Registration**

**10:00 – 17:00                      Registration  
Xiangyu Hotel**

**18:00 – 19:00                      Dinner**

**19:30                                  Joint Meeting of International and Local Committees  
Xiangyu Hotel**

**November 9**

**8:00 – 8:30                              Registration continued  
Xiangyu Hotel**

**8:30 – 9:00                              Open Ceremony  
Xiangyu Hotel**

## Plenary Session

**November 9, 9:00 – 10:35**

**Large Room: Plenary Talk(1)**

|   |   |
|---|---|
| 9:00 – 9:45<br>Chair: Sergey Antonyan     | <b>Floer cohomology and covering spaces</b><br>Kaoru Ono                  |
| 9:50 – 10:35<br>Chair: Daniel Juan Pineda | <b>Stability patterns in algebra and topology</b><br>Rita Jiménez Rolland |

**November 9, 11:30 – 12:15**

**Large Room: Plenary Talk (2)**

|                                       |  |
|---------------------------------------|--|
| 11:30 – 12:15<br>Chair: Weinian Zhang | <b>Topology and topological sequence entropy</b><br>Xiangdong Ye |
|---------------------------------------|--|

**November 12, 14:30 – 16:15**

**Large Room: Plenary Talk (3)**

|                                      |   |
|--------------------------------------|---|
| 14:30 – 15:15<br>Chair: Shuguo Zhang | <b>Cardinal invariants and forcing theory</b><br>Jörg Brendle |
| 15:20 – 16:05<br>Chair: Dexue Zhang  | <b>Enriched Priestley spaces</b><br>Dirk Hofmann              |

**November 12, 16:30 – 16:05**

**Large Room: Plenary Talk (4)**

|  |  |
|--|--|
| 16:30 – 17:15<br>Chair: Sang You Lee             | <b>Embedding the symmetries of surfaces and graphs to those of 3-sphere</b><br>Shicheng Wang |
| 17:20 – 18:05<br>Chair: Salvador Garcia-Ferreira | <b>Connectedness properties of the Higson corona of the half line</b><br>Takamitsu Yamauchi  |

## Algebraic Topology Session

November 9

### Room 2: Algebraic Topology (1)

Chair: Daisuke Kishimoto

|               |   |
|---------------|---|
| 14:30 – 15:05 | <b>The non-triviality of the labeled open-closed TQFT associated with string topology for classifying spaces</b><br>Katsuhiko Kuribayashi |
| 15:10 – 15:35 | <b>Topology of real toric manifolds and its application</b><br>Suyoung Choi   |
| 15:40 – 16:05 | <b>Uniruleness of symplectic birational geometry on orbifolds</b><br>Chengyong Du   |

### Room 2: Algebraic Topology (2)

Chair: Katsuhiko Kuribayashi

|               |  |
|---------------|--|
| 16:40 – 17:15 | <b>Relative phantom maps</b><br>Takahiro Matsushita  |
| 17:20 – 17:45 | <b>Representation theory of internal categories and its application to comodules over Hopf algebroids</b><br>Atsushi Yamaguchi |
| 17:50 – 18:15 | <b>Self closedness numbers and self-lengths of certain monoids of self-maps</b><br>Ho Won Choi                                 |

November 11

### Room 2: Algebraic Topology (3)

Chair: Takahiro Matsushita

|              |   |
|--------------|---|
| 8:30 – 9:05  | <b>Moduli space of Kapustin-Witten equations on a closed 4-manifold</b><br>Teng Huang |
| 9:10 – 9:35  | <b>Upper bound for monoidal topological complexity</b><br>Norio Iwase                 |
| 9:35 – 10:00 | <b>String<sup>c</sup> structures and modular invariants</b><br>Ruizhi Huang           |

### Room 2: Algebraic Topology (4)

Chair: Teng Huang

|               |  |
|---------------|--|
| 10:30 – 11:05 | <b>On the Borel conjecture for Alexandrov spaces</b><br>Noe Barcenas               |
| 11:10 – 11:35 | <b>Moduli spaces of Higgs bundles and hyper Kähler metrics</b><br>Zhenxi Huang     |
| 11:40 – 12:05 | <b>Free cyclic group actions on (n-1)-connected 2n-manifolds</b><br>Jianqiang Yang |

## Room 2: Algebraic Topology (5)

Chair: Bai-ling Wang

|               |   |
|---------------|---|
| 14:30 – 15:05 | <b>Higher homotopy associativity in the Harris decomposition of Lie groups</b><br>Daisuke Kishimoto |
| 15:10 – 15:35 | <b>On nil groups for the quaternion group</b><br>Daniel Juan Pineda                                 |
| 15:40 – 16:05 | <b>On the cohomology of Coxeter groups and related groups</b><br>Toshiyuki Akita                    |

## Room 2: Algebraic Topology (6)

Chair: Daniel Juan Pineda

|               |  |
|---------------|--|
| 16:30 – 17:05 | <b>On Fano and weak Fano regular Hessenberg varieties</b><br>Haozhi Zeng |
| 17:10 – 17:35 | <b>Converse of Smith theory</b><br>Min Yan                               |
| 17:35 – 18:00 | <b>Some applications of topological vertex algorithm</b><br>Xiaobin Li   |

## General and Set-theoretic Topology Session

November 9

### Room 3: General and Set-theoretic Topology (1)

Chair: Angel Tamariz-Mascarua

|               |  |
|---------------|--|
| 14:30 – 15:05 | <b>Usco selections and Choquet-completeness</b><br>Valentin Gutev                        |
| 15:05 – 15:40 | <b>On the hyperspace of non-trivial convergent sequences</b><br>Salvador Garcia-Ferreira |
| 15:45 – 16:10 | <b>Three results independent of ZFC for certain products</b><br>Yukinobu Yajima          |

November 10

### Room 3: General and Set-theoretic Topology (2)

Chair: Mikhail Tkachenko

|              |  |
|--------------|--|
| 8:30 – 9:05  | <b>Some recent progress on the study of gaps in the lattice of topological group topologies on a group</b><br>Wei He |
| 9:10 – 9:35  | <b>The progresses of PT-groups and Dieudonné completion of paratopological groups</b><br>Li-Hong Xie                 |
| 9:40 – 10:05 | <b>Topological groups with a property of Dierolf and Warken</b><br>Victor Hugo Yañez                                 |

### Room 3: General and Set-theoretic Topology (3)

Chair: Manuel Sanchis

|               |   |
|---------------|---|
| 10:30 – 11:05 | <b>Factoring continuous homomorphisms defined on subgroups of topological products</b><br>Mikhail Tkachenko       |
| 11:05 – 11:40 | <b>A new class of topological groups containing all Polish groups and all minimal groups</b><br>Dmitri Shakhmatov |
| 11:45 – 12:10 | <b>A note on paratopological groups with an <math>\omega^\omega</math>-base</b><br>Zhangyong Cai                  |

### Room 3: General and Set-theoretic Topology (4)

Chair: Alejandro Illanes

|               |  |
|---------------|--|
| 14:30 – 15:05 | <b>The inverse limit nonautonomous dynamical system</b><br>Manuel Sanchis              |
| 15:10 – 15:35 | <b>On quasi-continuous dynamical systems</b><br>Jiling Cao                             |
| 15:40 – 16:05 | <b>The hyperspace of <math>\omega</math>-limit sets</b><br>Jorge M. Martinez-Montejano |

### Room 3: General and Set-theoretic Topology (5)

Chair: Valentin Gutev

|               |   |
|---------------|---|
| 16:30 – 17:05 | <b>Topological mixing and UPE</b><br>Verónica Martínez de la Vega             |
| 17:05 – 17:30 | <b>Means on continua</b><br>Jimmy A. Naranjo-Murillo                          |
| 17:35 – 18:00 | <b>Semi-Kelley continua</b><br>Alejandro Illanes                              |
| 18:05 – 18:30 | <b>On retractional skeletons on compact spaces</b><br>Cenobio Yescas-Aparicio |

## November 11

### Room 3: General and Set-theoretic Topology (6)

Chair: Yukinobu Yajima

|             |  |
|-------------|--|
| 8:30 – 8:55 | <b>A useful common weakening of Lindelöf and H-closed</b><br>Angelo Bella                        |
| 9:00 – 9:25 | <b>Lindelöfness and Cech-completeness on the hypergroup of Hartman-Mycielski</b><br>Iván Sánchez |
| 9:30 – 9:55 | <b>On some properties of PIGO and PIGT</b><br>Liang-Xue Peng                                     |

**November 12**

**Room 3: General and Set-theoretic Topology (7)**

Chair: Salvador Garcia-Ferreira

|              |  |
|--------------|--|
| 8:30 – 8:55  | <b>Uniform topology on countable subsets</b><br>Angel Tamariz-Mascarua                   |
| 8:55 – 9:20  | <b>On the diagonals of topological spaces</b><br>Lei Mou                                 |
| 9:20 – 9:45  | <b>Topological properties of function space with hypo-graph topology</b><br>Hanbian Yang |
| 9:40 – 10:05 | <b>On countably selective spaces</b><br>Rongxin Shen                                     |

**Room 3: General and Set-theoretic Topology (8)**

Chair: Jiling Cao

|               |  |
|---------------|--|
| 10:30 – 10:55 | <b>Point-regular covers and sequence-covering compact mappings</b><br>Shou Lin   |
| 11:00 – 11:25 | <b>A study on <math>D</math>-spaces and the metrization of compact spaces with property <math>(\sigma-A)</math></b><br>Huan Wang |
| 11:30 – 11:55 | <b>Epi-almost normality</b><br>Ibtesam Alshammari  |
| 12:00 – 12:25 | <b>Some characterizations of Mildly I--Hurewicz covering property</b><br>Manoj Bhardwaj  |

**Geometric Topology Session**

**November 9**

**Room 3: Geometric Topology (1)**

Chair: Bohui Chen

|               |  |
|---------------|--|
| 16:40 – 17:15 | <b>Simultaneous extension of equivariant maps</b><br>Sergey Antonyan                   |
| 17:20 – 17:55 | <b>Some geometric correspondences for homothetic navigations</b><br>Ming Xu            |
| 18:00 – 18:25 | <b>Dispersionless integrable hierarchy via Kodaira-Spencer gravity</b><br>Xinxing Tang |

**November 11**

**Room 3: Geometric Topology (2)**

Chair: Sergey Antonyan

|               |  |
|---------------|--|
| 10:30 – 11:05 | <b>Upper and lower topologies on hyperspaces</b><br>Natalia Jonard-Pérez |
| 11:10 – 11:45 | <b>Gromov-Witten invariants and virtual neighborhoods</b><br>Li Sheng    |
| 11:50 – 12:15 | <b>Rational cubic fourfolds in Hassett divisors</b><br>Song Yang         |

### Room 3: Geometric Topology (3)

Chair: Bin Zhang

|               |  |
|---------------|--|
| 14:30 – 15:05 | <b>D-branes, K-homology and index theory</b><br>Bai-ling Wang  |
| 15:10 – 15:45 | <b>Characterizing infinite-dimensional manifolds by general position properties</b><br>Katsuhisa Koshino |

### Room 3: Geometric Topology (4)

Chair: Li Sheng

|               |   |
|---------------|---|
| 16:30 – 17:05 | <b>A Kähler structure of the <math>PU(2, 1)</math> configuration space of four points in <math>S^3</math></b><br>Li-Jie Sun |
| 17:10 – 17:35 | <b>Dolbeault cohomologies of blowing up complex manifolds</b><br>Xiangdong Yang   |
| 17:35 – 18:00 | <b>Dual Orlicz-Brunn-Minkowski theory</b><br>Baocheng Zhu   |

## November 12

### Room 1: Geometric Topology (5)

Chair: Natalia Jonard-Pérez

|               |   |
|---------------|---|
| 10:30 – 10:55 | <b>Isoperimetric inequalities for <math>(p,q)</math>-mixed geominimal surface and <math>(p,q)</math>-mixed affine surface area</b><br>Xiao Li |
| 11:00 – 11:25 | <b>The mixed Pólya-Szegő principle and its applications</b><br>Niufa Fang   |

## Low-dimensional Topology Session

### November 9

#### Room 1: Low-dimensional Topology (1)

Chair: Weiping Li

|               |   |
|---------------|---|
| 14:30 – 15:05 | <b>Mapping classes are almost determined by their finite quotient actions</b><br>Yi Liu |
|---------------|---|

|               |   |
|---------------|---|
| 15:10 – 15:30 | <b>On crosscap numbers of knots</b><br>Noboru Ito                           |
| 15:30 – 15:50 | <b>New quantum invariants of genus 2 handlebody-2-tangles</b><br>Sukuse Abe |

### Room 1: Low-dimensional Topology (2)

Chair: Taizo Kanenobu

|               |  |
|---------------|--|
| 16:40 – 17:00 | <b>Studies of distance one surgeries on lens space <math>L(p,1)</math> and band surgeries on torus knot <math>T(2,p)</math></b><br>Jingling Yang |
| 17:00 – 17:20 | <b>New deformations on spherical curves and Ostlund Conjecture</b><br>Megumi Hashizume   |
| 17:30 – 17:50 | <b>Calculating the Arf invariant of a proper link from a bicolored diagram</b><br>Kengo Kawamura   |
| 17:50 – 18:10 | <b>Generalized quandle cocycle invariants and shadow quandle cocycle invariants</b><br>Atsushi Ishii   |

### November 10

#### Room 1: Low-dimensional Topology (3)

Chair: Mario Eudave-Munoz

|              |  |
|--------------|--|
| 8:30 – 9:05  | <b>Existence of a transverse universal knot</b><br>Jesus Rodriguez-Viorato                   |
| 9:10 – 9:35  | <b>Torus handle additions on boundary component of genus three</b><br>Luis Celso Chan-Palomo |
| 9:40 – 10:05 | <b>The Neuwirth conjecture and <math>(1,1)</math>-knots</b><br>Jose Frias                    |

#### Room 1: Low-dimensional Topology (4)

Chair: Seiichi Kamada

|               |  |
|---------------|--|
| 10:30 – 11:05 | <b>Conjugacy stability of braids and spherical Artin-Tits groups</b><br>Bruno A. Cisneros de la Cruz                           |
| 11:10 – 11:30 | <b>Comparison of minimal equal lengths in a once punctured torus running over its relative Teichmuller space</b><br>Ying Zhang |
| 11:30 – 11:50 | <b>On 3-submanifolds of <math>S^3</math> which admit complete spanning curve systems</b><br>Fengling Li                        |

#### Room 1: Low-dimensional Topology (5)

Chair: Hiroshi Goda

|               |   |
|---------------|---|
| 14:30 – 14:50 | <b>Exchange moves and non-conjugate braid representatives of links</b><br>Alexander Stoimenow |
| 14:50 – 15:10 | <b>Hurwitz action on tuples of permutations</b><br>Yoshiro Yaguchi                            |



|               |  |
|---------------|--|
| 15:20 – 15:40 | <b>Crossing number of an alternating 3-braid knot and canonical genus of its whitehead double</b><br>Sang Youl Lee |
| 15:40 – 16:00 | <b>Quasi-positive links and electromagnetism</b><br>Benjamin Bode  |

### Room 1: Low-dimensional Topology (6)

Chair: Benjamin Bode

|               |  |
|---------------|--|
| 16:30 – 16:50 | <b>The knots <math>k(l, m, n, p)</math> and <math>(1,1)</math>-knots</b><br>Mario Eudave-Muñoz |
| 16:50 – 17:10 | <b>Semi-locally Alexander polynomials of knots</b><br>Takefumi Nosaka                          |
| 17:20 – 17:40 | <b>On the Cheeger-Chern-Simons invariant of a 3-manifold</b><br>Seokbeom Yoon                  |
| 17:40 – 18:00 | <b>Twisted Alexander polynomial and Matrix-weighted zeta function</b><br>Hiroshi Goda          |

## November 11

### Room 1: Low-dimensional Topology (7)

Chair: Reifeng Qiu

|              |  |
|--------------|--|
| 8:30 – 8:50  | <b>On Relation between quandle extension and group extension</b><br>Yongju Bae   |
| 8:50 – 9:10  | <b>Extensions of multiple conjugation quandles</b><br>TomoMuraō  |
| 9:20 – 9:40  | <b>Cocycles of <math>G</math>-Alexander biquandles and <math>G</math>-Alexander multiple conjugation biquandles</b><br><u>ShosakuMatsuzaki</u> |
| 9:40 – 10:00 | <b>Tensor products of quandles and classification of 1-handles attaching to surface-links</b><br>Seiichi Kamada                                |

### Room 1: Low-dimensional Topology (8)

Chair: Yongju Bae

|               |  |
|---------------|--|
| 10:30 – 10:50 | <b>Vassiliev knot invariants derived from cable <math>\Gamma</math>-polynomials</b><br>Hideo Takioka |
| 10:50 – 11:10 | <b>A multivariable polynomial invariant of virtual links and cut systems</b><br>Naoko Kamada         |
| 11:20 – 11:40 | <b>Mapping class group of a Heegaard splitting</b><br><u>Yanqing Zou</u>                             |
| 11:40 – 12:00 | <b>Skein modules: The braid approach</b><br>Ioannis Diamantis  |

### Room 1: Low-dimensional Topology (9)

Chair: Makoto Ozawa

|               |  |
|---------------|--|
| 14:30 – 15:05 | <b>A stably trivial link</b><br>Akio Kawauchi  |
| 15:10 – 15:30 | <b>Classification of ribbon 2-knots of 1-fusion with up to six crossings</b><br>Taizo Kanenobu |
| 15:30 – 15:50 | <b>3-manifolds admitting locally large Heegaard splittings</b><br>Ruifeng Qiu                  |

### Room 1: Low-dimensional Topology (10)

Chair: Masakazu Teragaito

|               |   |
|---------------|---|
| 16:30 – 17:05 | <b>On smooth fake projective planes</b><br>Jongil Park                        |
| 17:10 – 17:30 | <b>The maximum and minimum genus of a multibranch surface</b><br>Makoto Ozawa |
| 17:30 – 17:50 | <b>Dirichlet domains for one-cone torus bundles</b><br>Hirotaka Akiyoshi      |

### November 12

### Room 1: Low-dimensional Topology (11)

Chair: Hirotaka Akiyoshi

|              |  |
|--------------|--|
| 8:30 – 8:50  | <b>Rigidity of matrix group actions on CAT(0) spaces with possible parabolic isometries</b><br>Shengkui Ye |
| 8:50 – 9:10  | <b>Counting conjugacy classes of groups with contracting elements</b><br>Wenyuan Yang                      |
| 9:20 – 9:40  | <b>Dehn surgeries along twist knots and non-trivial L-functions</b><br>Jun Ueki                            |
| 9:40 – 10:00 | <b>Generalized torsion and Dehn filling</b><br>Masakazu Teragaito  |

## Order, Topology and Theoretic Computer Science Session

### November 9

### Room 4: Order, Topology and Theoretic Computer Science(1)

Chair: Qingguo Li

|               |  |
|---------------|--|
| 14:30 – 15:05 | <b>Some recent advances in non-Hausdorff topology</b><br>Xiaoquan Xu                   |
| 15:10 – 15:45 | <b>Quantale-valued topological spaces via closure and convergence</b><br>Hongliang Lai |

## November 10

### Room 4: Order, Topology and Theoretic Computer Science (2)

Chair: Hui Kou

|             |  |
|-------------|--|
| 8:30 – 8:55 | <b>The monad of saturated prefilters</b><br>Dexue Zhang                                |
| 9:00 – 9:25 | <b>AL-spaces and algebraic L-domains</b><br>Longchun Wang                              |
| 9:30 – 9:55 | <b>Digital topological rough set structures and their applications</b><br>Sang-Eon Han |

### Room 4: Order, Topology and Theoretic Computer Science (3)

Chair: Xiaoquan Xu

|               |  |
|---------------|--|
| 10:30 – 11:05 | <b>SI-convergence in <math>T_0</math> spaces</b><br>Jing Lu  |
| 11:10 – 11:45 | <b>Core-compactness of Smyth powerspace</b><br>Zhenchao Lyu  |
| 11:50 – 12:25 | <b>On some categories of metric-type spaces based on extended <math>t</math>-conorms</b><br>Alexander Šostak |

### Room 4: Order, Topology and Theoretic Computer Science (4)

Chair: Sang-Eon Han

|               |   |
|---------------|---|
| 16:30 – 16:55 | <b>Fuzzy relational morphological spaces: basic properties and topological interpretation</b><br>Alexander Šostak |
| 17:00 – 17:25 | <b>Investigation of “Flash Crash” via topological data analysis (TDA)</b><br>Wonse Kim                            |
| 17:30 – 17:55 | <b>Lower topology poset models of <math>T_1</math> spaces</b><br>Shen Chong                                       |

## November 11

### Room 4: Order, Topology and Theoretic Computer Science (5)

Chair: Alexander Šostak

|               |   |
|---------------|---|
| 14:30 – 15:05 | <b>Completeness and injectivity</b><br>Soichiro Fujii                   |
| 15:10 – 15:45 | <b>Concept lattices via quantaloid-enriched categories</b><br>Lili Shen |

## Set Theory Session

November 10

### Room 2: Set Theory (1)

Chair: Shuguo Zhang

|              |   |
|--------------|---|
| 8:30 – 9:05  | <b>Some more applications of omega <math>\omega_1</math>-strongly compact cardinals in General Topology</b><br>Joan Bagaria |
| 9:10 – 9:45  | <b>Set-theoretic principles which imply that the continuum is fairly large</b><br>Sakaé Fuchino                             |
| 9:50 – 10:25 | <b>Large cardinals as natural upper bounds on cardinal functions</b><br>Toshimichi Usuba                                    |

### Room 2: Set Theory (2)

Chair: Sakaé Fuchino

|               |  |
|---------------|--|
| 10:30 – 11:05 | <b>Generalizations of Martin's Axiom, square, and a forcing axiom failure</b><br>David Aspero  |
| 11:10 – 11:45 | <b>Reflection principles down to the continuum and an application of mixed support iteration</b><br>André Ottenbreit Maschio Rodrigues |
| 11:50 – 12:25 | <b>Basis sizes of uncountable linear orders</b><br>Yinhe Peng  |

### Room 2: Set Theory (3)

Chair: Joan Bagaria

|               |  |
|---------------|--|
| 14:30 – 15:05 | <b>Undefinability via topology</b><br>Franklin D. Tall   |
| 15:10 – 15:45 | <b>On equivalence relations generated by Cauchy sequences in countable metric spaces</b><br>Longyun Ding |

### Room 2: Set Theory (4)

Chair: Jörg Brendle

|               |  |
|---------------|--|
| 16:30 – 17:05 | <b>Preserving selection principle properties</b><br>Jialiang He            |
| 17:10 – 17:45 | <b>Some constructions involving inverse limits</b><br>Aleksander Błaszczyk |

November 12

### Room 2: Set Theory (5)

Chair: Longyun Ding

|             |  |
|-------------|--|
| 8:30 – 8:55 | <b>Some game-theoretic characterizations for rapid filter on omega</b><br>Zuoheng Li                 |
| 9:00 – 9:25 | <b>Several cardinal invariants associated to ideal <math>\gamma</math>-covers</b><br>Jaroslav Šupina |
| 9:30 – 9:55 | <b>Absolutely strongly star-Hurewicz property with respect to an ideal</b><br>Sumit Singh            |

## Topology and Dynamical Systems Session

November 9

### Room 4: Topology and Dynamical Systems (1)

Chair: Enhui Shi

|               |  |
|---------------|--|
| 16:40 – 17:15 | <b>Random walks on groups acting on dendrites</b><br>Andrei Malyutin   |
| 17:20 – 17:45 | <b>The singularities of special developable surfaces of frame curves in the 3-Euclidean space</b><br>Yanlin Li |
| 17:50 – 18:15 | <b>Recent developments of chaos theory in topological dynamics</b><br>Jian Li                                  |

November 10

### Room 4: Topology and Dynamical Systems (2)

Chair: Hisao Kato

|               |  |
|---------------|--|
| 14:30 – 15:05 | <b>Ergodic theory of random Anosov systems mixing on fibers</b><br>Zeng Lian |
| 15:10 – 15:35 | <b>Sensitive semigroup actions on continua</b><br>Suhua Wang                 |
| 15:40 – 16:05 | <b>Margulis-Ruelle inequality for general manifolds</b><br>Gang Liao         |

November 11

### Room 4: Topology and Dynamical Systems (3)

Chair: Benjamin Vejnar

|             |  |
|-------------|--|
| 8:30 – 9:05 | <b>Some results about sensitivity on linear dynamical systems</b><br>Peiyong Zhu                     |
| 9:10 – 9:35 | <b>On coupling lemma and stochastic properties for one-dimensional expanding maps</b><br>Jianyu Chen |

**Room 4: Topology and Dynamical Systems (4)**

Chair: Yackelin Z. Rodríguez-López

|               |  |
|---------------|--|
| 10:30 – 10:55 | <b>Minimal sets for amenable group actions on uniquely arcwise connected continua</b><br>Enhui Shi                   |
| 11:00 – 11:25 | <b>Densely locally minimal groups</b><br>M. Shlossberg   |
| 11:30 – 11:55 | <b>Topological conjugation classes of tightly transitive subgroups of <math>\text{Homeo}_+(S^1)</math></b><br>Hui Xu |

**Room 4: Topology and Dynamical Systems (5)**

Chair: Peiyong Zhu

|               |  |
|---------------|--|
| 14:30 – 14:55 | <b>The complexity of conjugacy equivalence relation of interval dynamical systems</b><br>Benjamin Vejnar |
| 15:00 – 15:25 | <b>Algebraic entropy on topologically quasi-Hamiltonian groups</b><br>Wenfei Xi                          |

**November 12****Room 4: Topology and Dynamical Systems (6)**

Chair: Andrei Malyutin

|             |  |
|-------------|--|
| 8:30 – 8:55 | <b>Topological entropy and indecomposability of G-like continua</b><br>Hisao Kato      |
| 9:00 – 9:25 | <b>On topological properties of the Ellis semigroup</b><br>Yackelin Z. Rodríguez-López |

**November 12**

**18:10 – 18:30                      Closing ceremony**

**November 13                      Day 5**

**Free activities, excursions/sight-seeing**

**(Expression of interests for group tours of sight-seeing)**