

ICCC2018 Program (S42)

| ICCC2018 Program (S42) |  |                     |   |                   |  |                   |   |                   |  |                   |   |       |         |
|------------------------|--|---------------------|---|-------------------|--|-------------------|---|-------------------|--|-------------------|---|-------|---------|
| July 30, 2018 (Mon)    |  | July 31, 2018 (Tue) |   | Aug 1, 2018 (Wen) |  | Aug 2, 2018 (Thu) |   | Aug 3, 2018 (Fri) |  | Aug 4, 2018 (Sat) |   |       |         |
|                        |  | 8:30                | Plenary Lecture<br><b>Prof. Yi Lu</b>             | 8:30              | Plenary Lecture<br><b>Prof. Gary Brudvig</b> | 8:30              | Plenary Lecture<br><b>Prof. Roland A. Fischer</b> | 8:30              | Plenary Lecture<br><b>Prof. Shie-Ming Peng</b> | 8:30              | Plenary Lecture<br><b>Prof. Mario Ruben</b>       |       |         |
|                        |  |                     |   |                   |  | 9:15              | Coffee Break                                      | 9:15              | Coffee Break                                   | 9:15              | Coffee Break                                      |       |         |
|                        |  |                     |   |                   |  | 9:40              | Omar Farha  | 9:40              | Jagadese J. Vittal                             | 9:40              | S60 Talks   |       |         |
|                        |  |                     |   |                   |  | 10:05             | Christine McKenzie                                | 10:05             | Kana M. Sureshan                               | 10:05             | S60 Talks   |       |         |
|                        |  |                     |   |                   |  | 10:25             | S. Natarajan                                      | 10:25             | Hidetaka Nakai                                 | 10:25             | S60 Talks   |       |         |
|                        |  |                     |   |                   |  | 10:45             | Catalin Maxim                                     | 10:45             | Richa Rajak                                    | 10:45             | S60 Talks   |       |         |
|                        |  |                     |   |                   |  | 11:00             | E.lizbietaTzrop                                   | 11:00             | Jose Sanchez Costa                             | 11:00             | S60 Talks   |       |         |
|                        |  |                     |   |                   |  | 11:15             | Weinberger Peter                                  | 11:15             | Takeshi Yamane                                 | 11:15             | S60 Talks   |       |         |
|                        |  |                     |   |                   |  | 11:30             | Seung Joo Cho                                     | 11:30             | Yoshiki Ozawa                                  | 11:30             | S60 Talks   |       |         |
|                        |  |                     |   |                   |  | 11:45             | Silalahi Rhone                                    | 11:45             | Pance Naumov                                   | 11:45             | Coffee Break                                      |       |         |
|                        |  |                     |   |                   |  | 12:00             | Dirk Volkmer                                      | 12:10             | Lunch  | 12:10             | <b>Special Lecture: Prof. Jean-Pierre Sauvage</b> |       |         |
|                        |  |                     |   |                   |  |                   |   | 12:15             | Lunch  | 12:15             |   |       |         |
|                        |  |                     |   | 13:15             | Plenary Lecture<br><b>Prof. Lee Cronin</b>   | 13:15             | Plenary Lecture<br><b>Prof. Hideo Hosono</b>      |                   |  | 13:15             | Plenary Lecture<br><b>Prof. James Mayer</b>       | 13:10 | Closing |
|                        |  |                     |   |                   |  |                   |   | 12:15             | Excursion                                      | 14:00             | Coffee Break                                      |       |         |
|                        |  |                     |   |                   |  |                   |   |                   |  | 14:25             | Hiroshi Kitagawa                                  |       |         |
|                        |  |                     |   |                   |  | 14:50             | Jason B. Benedict                                 |                   |  |                   |   |       |         |
|                        |  |                     |   |                   |  | 15:10             | Dietmar Stalke                                    |                   |  |                   |   |       |         |
|                        |  |                     |   |                   |  | 15:30             | Vladislav A. Blatov                               |                   |  |                   |   |       |         |
|                        |  |                     |   |                   |  | 15:50             | Shagufi Naz Ansari                                |                   |  |                   |   |       |         |
|                        |  |                     |   |                   |  | 16:05             | Shaikh Mobin                                      |                   |  |                   |   |       |         |
|                        |  |                     |   |                   |  | 16:20             | Coffee Break                                      |                   |  |                   |   |       |         |
|                        |  |                     |   |                   |  | 16:45             | Hajime Ito,                                       |                   |  |                   |   |       |         |
|                        |  |                     |   |                   |  | 17:10             | Hoi Ri Moon                                       |                   |  |                   |   |       |         |
|                        |  |                     |   |                   |  |                   |   | 17:30             | Pradeep Mathur                                 |                   |   |       |         |
|                        |  |                     |   |                   |  |                   |   | 17:50             | Oral Presentation                              |                   |   |       |         |
|                        |  | 18:00               | <b>Special Lecture:<br/>Prof. Akira Fujishima</b> |                   |  |                   |   | 18:45             | Banquet @<br>Hotel Metropolitan Sendai         |                   |   |       |         |
|                        |  |                     |   |                   |  | 18:30             | <b>Poster Session of S42<br/>(this session)</b>   |                   |  |                   |   |       |         |
|                        |  |                     |   |                   |  |                   |   |                   |  |                   |   |       |         |
|                        |  |                     |   |                   |  | 20:30             |   |                   |  |                   |   |       |         |

| Session | Lecture   | Poster Date | Code      | Name                 | Affiliation   | Title   |
|---------|-----------|-------------|-----------|----------------------|---|---|
| S42     | Organizer |             |           | Mobin Shaikh         | IIT Indore  |   |
| S42     |           |             |           | Yoshiki Ozawa        | University of Hyogo   |   |
| S42     |           |             |           | Manabu Hoshino       | RIKEN   |   |
| S42     |           |             |           | Tomislav Friscic     | McGill University   |   |
| S42     |           |             |           | Dr. Shao-Liang Zheng | Harvard University  |   |
| S42     | Keynote   |             | A00166-JV | Jagadese Vittal      | National University of Singapore  | ENGINEERING SOLID STATE PHOTOCHEMICAL REACTIONS AND STRUCTURAL TRANSFORMATIONS OF METAL COMPLEXES AND COORDINATION POLYMERS   |
| S42     | Keynote   |             | A00198-OF | Omar Farha           | Northwestern University   | Resilient Together: Metal-Organic Frameworks to the Rescue  |
| S42     | Keynote   |             | A00326-HK | Hiroshi Kitagawa     | Kyoto University  | Solid-state Protonics in Confined Nanospace   |
| S42     | Keynote   |             | A00492-PN | Pance Naumov         | New York University Abu Dhabi   | Crystal Adaptronics   |
| S42     | Keynote   |             | A01721-IH | Ito Hajime           | Division of Applied Chemistry, Graduate School of Engineering, Hokkaido University  | Design of Gold(I) Isocyanide Complexes with Mechanical Response Properties  |
| S42     | Invited   |             | A00383-VB | Vladislav Blatov     | Samara Center for Theoretical Materials Science (SCTMS), Samara University  | Topological aspects of structural transformations   |
| S42     | Invited   |             | A00452-HN | Hidetaka Nakai       | Kindai University   | Crystalline-state photochromism of rhodium dithionite complexes   |
| S42     | Invited   |             | A00607-SK | Kana M. Sureshan     | Indian Institute of Science Education and Research (IISER) Thiruvananthapuram, India  | SYNTHESIS OF TRIAZOLE-LINKED BIOPOLYMERS VIA TOPOCHEMICAL AZIDE-ALKYNE CYCLOADDITION (TAAC) REACTION  |
| S42     | Invited   |             | A00764-HM | Hoi Ri Moon          | Ulsan National Institute of Science and Technology  | Exploration of Structural Transformations and Catalytic Selectivity in Tailored Flexible Metal-Organic Frameworks   |
| S42     | Invited   |             | A00819-CM | Christine McKenzie   | University of Southern Denmark  | In-Crystal Activation of Terminal Oxidants  |
| S42     | Invited   |             | A01899-DS | Dietmar Stalke       | Universitat Gottingen   | Pure alpha-Metallated Benzylolithium from a Single-Crystal-to-Single-Crystal Transition   |
| S42     | Invited   |             | A02155-JB | Jason Benedict       | University at Buffalo, SUNY   | Atoms in Motion: Creating and Characterizing Dynamic Crystalline Materials  |
| S42     | Invited   |             | A03047-SN | Srinivasan Natarajan | Solid State and Structural Chemistry Unit, Indian Institute of Science, Bangalore 560 012                                   | The role of transition elements in the design of new inorganic pigments: The importance of coordination chemistry   |
| S42     | Invited   |             | A06000-PM | Pradeep Mathur       | Indian Institute of Technology Indore   | Reactivity and Structural Features In Some Unusual Hg(II) and Cd(II) Polymeric Chains and Networks  |
| S42     | Oral Talk |             | A00137-RR | Richa Rajak          | IIT INDORE  | Supramolecular Self-assembled Cd(II) 3D-Network in a Dual Role: Superior Dye Adsorption and Catalysis Employing Glucose as Reductant  |
| S42     | Oral Talk |             | A00138-SA | Shagufi Naz Ansari   | IIT Indore  | Vacuum Mediated Single-Crystal-to-Single-Crystal (SCSC) Transformation in Na-MOFs: Rare to Novel Topology and Activation of Nitrogen in Triazole Moieties                                       |
| S42     | Oral Talk |             | A00969-CM | Catalin Maxim        | University of Bucharest, Faculty of Chemistry, Inorganic Chemistry Laboratory, Str. Dumbrova Rosie nr. 23, 020464-Bucharest | Enantiopure versus racemic mixture in reversible, two-step, single-crystal-to-single-crystal transformations of copper(II) complexes, accompanied by drastic changes of the magnetic properties |

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|-----|-----------|----------|-----------|--------------------|---|---|
| S42 | Oral Talk |          | A01727-YO | Yoshiki Ozawa      | Department of Material Science, University of Hyogo   | Pressure-induced luminescence piezochromism and structure deformation of cubane-type complex with solvent squeezing in crystalline state  |
| S42 | Oral Talk |          | A01784-ET | Elizbieta Trzop    | Univ Rennes, CNRS, IPR (Institut de Physique de Rennes), Department Materials and Light           | Competition of spin-state and ligand structural ordering in 2D polymer during thermal and light-induced spin crossover  |
| S42 | Oral Talk |          | A01240-DV | Dirk Volkmer       | Chair of Solid State & Materials Chemistry, Institute of Physics, University of Augsburg, Germany | FUNCTIONAL MFU-4-TYPE METAL-ORGANIC FRAMEWORKS  |
| S42 | Oral Talk |          | A05053-JS | Jose Sanchez Costa | IMDEA Nanoscience   | A Robust and Unique Iron(II) Mosaic-like MOF Architecture   |
| S42 | Oral Talk |          | A00956-CS | Seung Joo Cho      | Chosun University   | Novel 2n-crown-n hosts utilizing pure aliphatic C-H hydrogen bonding  |
| S42 | Oral Talk |          | A01616-TY | Takeshi Yamane     | Tokyo University of Science, Faculty of Science   | ESR Analyses of Picket Fence MnII and 6th Ligand Coordinate FeIII Porphyrins and a CoII Complex with Sizable ZFS Parameters Revisited   |
| S42 | Oral Talk |          | A00561-RS | Rhone Silalahi     | National Dong Hwa University  | Synthesis of Two-Electron Bimetallic Cu-Ag and Cu-Au Clusters by Using [Cu <sub>13</sub> {S <sub>2</sub> CNnBu <sub>2</sub> } <sub>6</sub> (CCPh) <sub>4</sub> ] <sup>+</sup> as a Template |
| S42 | Oral Talk |          | A00821-PW | Peter Weinberger   | TU Wien, Institute of Applied Synthetic Chemistry   | Tetrazoles as versatile ligands establishing structure-property relationships in Fe(II) SCO chemistry   |
| S42 | Oral Talk |          | A03081-SM | Shaikh Mobin       | Indian Institute of Technology  | Vapor Mediated Single-Crystal-to-Single-Crystal Transformation of Inorganic Co-crystal to 1D-Polymeric Chain and Co-crystal as the Adsorbent for Effective Removal of Dyes                  |
| S42 | Poster    | August 2 | S42-P01   | Amit Adhikary      | National Postdoc Fellow, IACS, India  | UNUSUAL ATMOSPHERIC WATER CAPTURE AND REVERSIBLE STRUCTURAL TRANSFORMATION OF NaGaS <sub>2</sub>  |
| S42 | Poster    | August 2 | S42-P02   | Jae Hwa Lee        | Ulsan National Institute of Science and Technology (UNIST)  | Single-Crystal-to-Single-Crystal Transformation of a Coordination Polymer by [2+2] Photodimerization Assisted by a Coexisting Flexible Ligand   |
| S42 | Poster    | August 2 | S42-P03   | Seiya Miyata       | Department of Applied Chemistry, Faculty of Science and Engineering, Kindai University            | Crystalline-state photochromism of a rhodium dithionite complex in chiral crystals  |
| S42 | Poster    | August 2 | S42-P04   | Takuya Sakagami    | Department of Material Science, University of Hyogo   | Luminescence mechano-, thermo-, and solvato-chromism with crystalline-amorphous-crystalline transformation of cubane-type idido-silver(I) complex   |
| S42 | Poster    | August 2 | S42-P06   | Chih-Chieh Wang    | Department of Chemistry, Soochow University   | Solvent-Exchange Crystalline-to-Crystalline Structural Transformation between Two Coordination Polymers with 3D Doubly-interpenetrating Frameworks  |