# DCFS 2018  SCHEDULE    Minor change made on July 4;

*Invited  talks are allocated 50 min for presentation and 10 min for questions.*
*Regular talks are allocated 20 min for presentation and 5 min for questions.*


**WEDNESDAY JULY 25**

0815-0900    Registration

0900-0915    Opening

0915-1015    **Peter Selinger** (invited)
      Efficient synthesis of quantum circuits by number-theoretic methods
      *(No knowledge of quantum computing or number theory will be assumed)*

1015-1045    BREAK

1045-1200    **Markus Holzer and Simon Wolfsteiner**.
      On the Grammatical Complexity of Finite Languages
     **Sylvie Davies**.
      A New Technique for Reachability of States in Concatenation Automata
     **Chris Keeler and Kai Salomaa**.
      Cycle Height of Finite Automata

1200-1400    LUNCH

1400-1515    **Stefan Hetzl and Simon Wolfsteiner**.
      Cover Complexity of Finite Languages
     **Galina Jirásková and Alexander Okhotin**.
      State complexity of unambiguous operations on deterministic finite automata
     **Janusz Brzozowski and Sylvie Davies**.
      Most Complex Deterministic Union-Free Regular Languages

1515-1545    BREAK

1545-1700    **Martin Kutrib, Andreas Malcher and Christian Schneider**.
      Finite Automata with Undirected State Graphs
     **Bruno Guillon and Luca Prigioniero**.
      Linear-Time Limited Automata
     **Tomoyuki Yamakami**.
      State Complexity Characterizations of Parameterized Degree-Bounded Graph
      Connectivity, Sub-Linear Space Computation, and the Linear Space Hypothesis

1700-1800    BUSINESS MEETING


**THURSDAY JULY 26**

0900-1000    **Jacques Sakarovitch** (invited)
      The Complexity of Carry Propagation for Successor Functions

1000-1030    BREAK

1030-1145    **Oscar Ibarra and Ian McQuillan**.
      State Grammars with Stores

**Alexander Okhotin and Kai Salomaa**.
 Further closure properties of input-driven pushdown automata
**Simon Beier and Markus Holzer**.
 Properties of Right One-Way Jumping Finite Automata
1200-1400   LUNCH
1400-2100   SOCIAL EVENT **: excursion to Lunenburg (a UNESCO World Heritage Site);
                            dinner at Le Bistro, Halifax**


**FRIDAY  JULY 27**
0900-1000   **Ludwig Staiger** (invited)
             Finite Automata and Randomness
1000-1030   BREAK
1030-1210   **Miguel Ferreira, Nelma Moreira and Rogério Reis**.
             Forward Injective Finite Automata: Exact and Random Generation of
              Nonisomorphic NFAs
            **Enrico Formenti and Paolo Massazza**.
             On the generation of 2-polyominoes
            **Da-Jung Cho, Yo-Sub Han, Kai Salomaa and Taylor Smith**.
              Site-Directed Insertion: Decision Problems, Maximality and Minimality
            **Louis-Marie Dando and Sylvain Lombardy**.
             Two-way automata over locally finite semirings
1210-1400   LUNCH
1400-1545   Honouring the late **Maurice Nivat**: talk by **Jacques Sakarovitch**
            **Tara Brough**.
              Word Problem Languages for Free Inverse Monoids
            **Rishat Ibrahimov, Kamil Khadiev, Krišjānis Prūsis and Abuzer Yakaryilmaz**.
              Error-Free Affine, Unitary, and Probabilistic OBDDs
            **Massimiliano Goldwurm, Jianyi Lin and Marco Vignati**.
              A local limit property for pattern statistics in bicomponent stochastic models
1545-1630   BREAK