



PROGRAM

Sunday July 3

From 12:00
Registration
12.00 - 14.00
Excursion
14.00 - 15.00
PL1 **Frank Glorius**
15.00 - 16.00
PL2 **Stefan Schunk**
Coffee
16.00 - 16.30
PL3 **Ryan Shenvi**
16.30 - 17.30
Welcome reception
18.00 - 20.00

Monday July 4

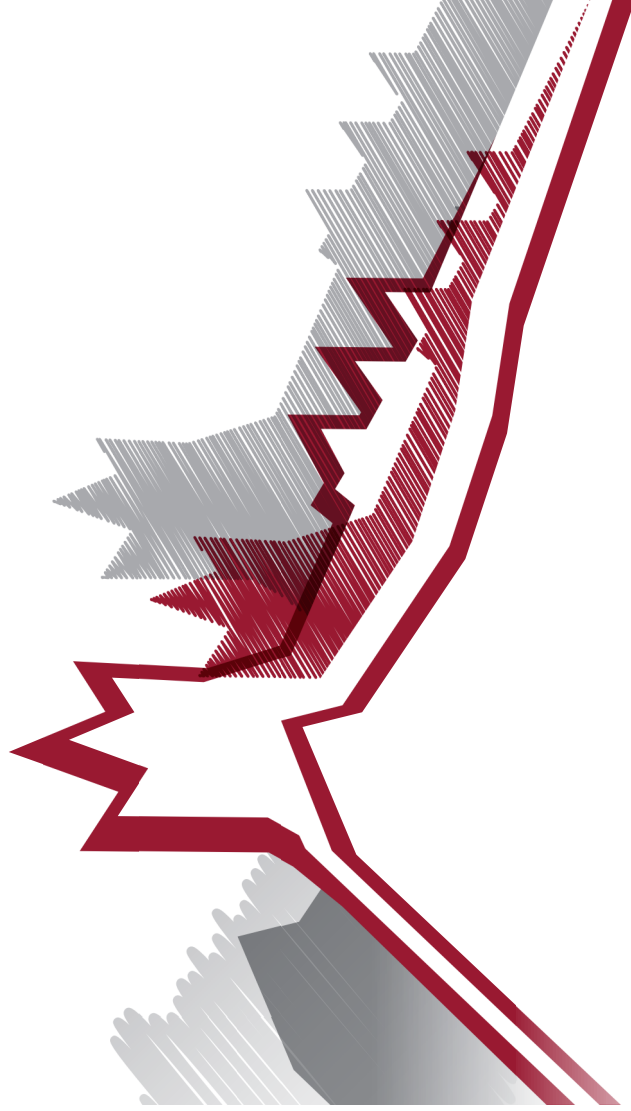
08.00 - 09.00
Registration
08.30 - 09.00
Opening
PL4 **Maris Turks**
09.00 - 10.00
Coffee
10.00 - 10.30
PL5 **Pavel Mykhailiuk**
10.30 - 11.30
Photo
11.30
Lunch
12.00 - 14.00
14.00 - 15.00
PL6 **Brian Stoltz**
15.00 - 16.00
PL7 **Peter Nielsen**
16.00 - 16.30
Coffee
16.30 - 17.30
PL8 **Nuno Maulide**
17.30 - 18.30
Poster session I (odd numbered poster presenters)
18.30 - 20.00
City Tour (from the Conference Venue)

Tuesday July 5

08.30 - 09.00
Welcome and BOS updates
09.00 - 10.00
PL9 **Riina Aav**
10.00 - 11.00
PL10 **Suzanne Blum**
Coffee
11.00 - 11.30
PL11 **Stephen Dalby**
11.30 - 12.30
Lunch
12.30 - 14.00
PL12 **Sheng Ding**
14.00 - 15.00
PL13 **John Sutherland**
15.00 - 16.00
Coffee
16.00 - 16.30
PL14 **Sarah Reisman**
16.30 - 17.30
Poster session II (even numbered poster presenters)
17.30 - 18.30
Banquet (departure 18:30 from the Conference Venue)
19.00 - 22.00

Wednesday July 6

08.30 - 09.00
Welcome and BOS updates
09.00 - 10.00
PL15 **Inga Čikotienė**
10.00 - 11.00
PL16 **David Nicewicz**
Coffee
11.00 - 11.30
PL17 **Emily Balskus**
11.30 - 12.30
Lunch
12.30 - 14.00
14.00 - 15.00
PL18 **Per-Ola Norrby**
15.00 - 16.00
PL19 **Antonio Echavarren**
16.00 - 17.00
Prizes Closing Ceremonies



Balticum Organicum Syntheticum

3-6 July 2016 Riga, Latvia

PROGRAM AND ABSTRACTS

SULFUR DIOXIDE: USEFUL REAGENT AND SOLVENT IN ORGANIC CHEMISTRY

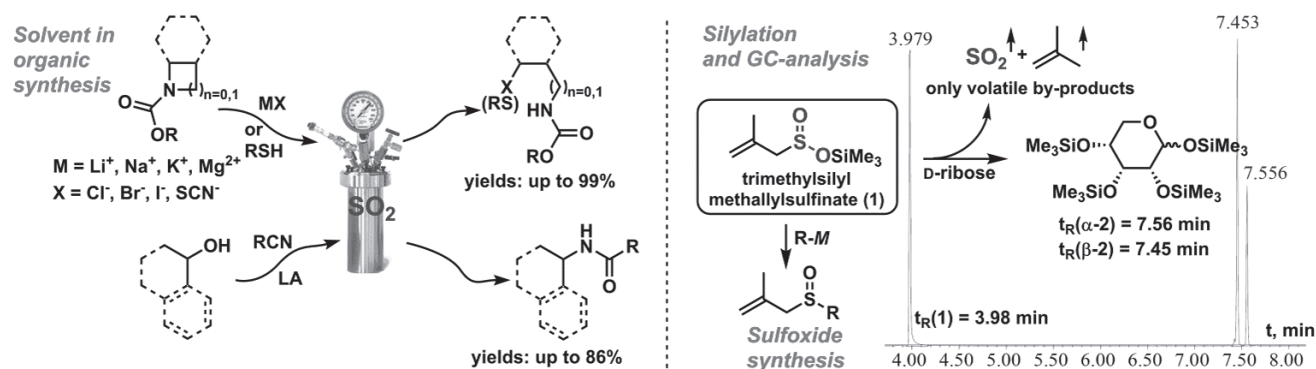
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In recent years many applications of SO₂ and its crystalline surrogates in organic synthesis have been reported.¹ This has prompted us to search for organic reactions that would profit from their running in liquid SO₂ as a reaction medium. We have discovered that carbamate-protected aziridines and azetidines undergo efficient ring-opening reactions in liquid SO₂ with I and II group metal halides and thiols. We have also found that liquid SO₂ facilitates the Ritter reaction. For the latter novel In(OTf)₃ – catalyzed conditions were developed.²



Additionally, we have developed catalytic conditions for synthesis of trialkylsilyl allylsulfonates in *ene*-reactions between allylsilanes and SO₂.³ The obtained products can be used as effective derivatization (silylation) reagents for qualitative and quantitative GC-analysis of non-volatile polyhydroxy compounds and as starting materials in sulfoxide synthesis.

References

1. a) Deeming, A. S.; Emmett, E. J.; Richards-Taylor, C. S.; Willis, M. C. *Synthesis* **2014**, 46, 2701; b) Luginina, J. *Synlett* **2014**, 25, 2962.
2. Posevins, D.; Suta, K.; Turks, M. *Eur. J. Org. Chem.* **2016**, in press.
3. a) Novosjolova, I.; Turks, M. *Phosphorus, Sulfur Silicon Rel. Elem.* **2015**, 190, 1251; b) Marković, D.; Tchawou, W. A.; Novosjolova, I.; Laclef, S.; Stepanovs, D.; Turks, M.; Vogel, P. *Chem. Eur. J.* **2016**, in press.
4. Stikute, A.; Peipiņš, V.; Turks, M. *Tetrahedron Lett.* **2015**, 56, 4578.