Monday 29 June 2015

10:00 – 10:45  Coffee & registration
10:45 – 11:00  Welcome by Lorentz Center
11:00 – 11:15  General introduction on workshop aims & goals by organizers
11:15 – 12:00  Participants present themselves in 1 min.

12:00 – 13:30 Lunch@Snellius Cafeteria

13:30 – 13:45  Successive droplet rupture in sparkling fireworks (Inoue)
13:45 – 14:00  Drop shaping and fragmentation by laser-pulse impact (Klein)
14:00 – 14:15  Fragmentation of impacting drops on heated substrates (Van Limbeek)
14:15 – 14:30  Distant interaction of a liquid sheet with an evaporating drop (Neel)
14:30 – 14:45  Drop break-up modeling in turbulent flows (Lalanne)
14:45 – 15:00  Measuring dispersion in sprays using phosphorescence (Van der Voort)

15:00 – 15:30  Coffee & tea
15:30 – 15:45  Splashing onset of dense suspension droplets (Peters)
15:45 – 16:00  The final-stage pinching of particle suspension filaments (Rubio)
16:00 – 16:15  Stretched inertial jets (Antkowiak)
16:15 – 17:00  Rupture and breakup of submicron air-films (Thoroddsen)

17:00  Wine & cheese party

Tuesday 30 June 2015

Moderators: Ligoure & Caupin

09:30 – 10:15  Rupture of thin liquid films (Langevin)
10:15 – 11:00  Atomization for pesticide application (Douzals)

11:00 – 11:30  Coffee & tea
11:30 – 11:45  Immiscible turbulent thermals (Deguen)
11:45 – 12:00  Fragmentation of acoustically-levitated liquid droplets (Ohl)
12:00 – 12:15  Controlled fragmentation of thin films by airjets & IR lasers (Darhuber)
12:15 – 12:30  Perforation of a radially expanding sheet of a dilute emulsion (Ligoure)

12:30 – 14:30 Lunch@Snellius Cafeteria & informal discussions
14:30 – 15:30  Plenary discussion session: Nucleation in thin films
15:30 – 16:00  Coffee & tea
16:00 – 16:45  Discussion in subgroups
16:45 – 17:00  Reporting & concluding remarks

Wednesday 1 July 2015

Moderators: Gordillo & Ohl

09:30 – 10:15  Sea spray (Lhuissier)
10:15 – 11:00  Disease transmission through the lens of fluid fragmentation (Bourouiba)
11:00 – 11:30  Coffee & tea
11:30 – 12:15  Rainfall physics across scales – From aerosol activation to raindrop dynamics (Barros)
12:15 – 12:30  Origin, measurement & parameterization of raindrop size distributions (Uijlenhoet)
12:30 – 14:30  Lunch@Snellius Cafeteria & informal discussions
14:30 – 15:30  Plenary discussion session: Liquid fragmentation in environmental science & biology
15:30 – 16:00  Coffee & tea
16:00 – 16:45  Discussion in subgroups
16:45 – 17:00  Reporting & concluding remarks
17:00  Dinner & Boat tour Kager Lakes

Thursday 2 July 2015

Moderators: Uijlenhoet & Antkowiak
09:30 – 10:15  Fragmentation of a liquid jet by a gaseous jet or crossflow (Ashgriz)
10:15 – 10:45  Shaping liquid Sn targets for high-power EUV source: challenges & opportunities (Yakunin)
10:45 – 11:15  Break-up phenomena during inkjet drop formation (Wijshoff)
11:15 – 11:45  Coffee & tea
11:45 – 12:45  Plenary discussion session: Liquid fragmentation in technology
12:45 – 14:30  Lunch@Snellius Cafeteria & informal discussions
14:30 – 14:45  The diameters and velocities of the droplets ejected after splashing (Gordillo)
14:45 – 15:00  Flashing of a liquid jet: drop formation and boiling front (Matas)
15:00 – 15:30  Coffee & tea
15:30 – 16:45  Discussions in subgroups
16:45 – 17:00  Reporting & concluding remarks

Friday 3 July 2015

Moderators: Zaleski & Risso
09:30 – 10:15  Recent advances in experimental studies of fragmentation & dispersion in sprays for combustion & process engineering (Hardalupas)
10:15 – 10:30  Are atomization simulations Large Eddy Simulations or Direct Numerical Simulations? (Zaleski)
10:30 – 10:45  Bubble and droplet nucleation experiments to test models of curvature effects on surface tension (Caupin)
10:45 – 11:15  Coffee & tea
11:15 – 12:15  Plenary discussion session: Ligament dynamics
12:15 – 13:45  Lunch@Snellius Cafeteria & informal discussions
13:45 – 14:45  Stability and breakup of liquid threads & wrap-up of the week (Eggers)
14:45 – 15:00  Concluding remarks by organizers & closure