MAM: where we are, where we go

panel discussion

MAM 9, June. 30, 2016, Budapest, Hungary

Reseach fields

- queueing/ruin models:
  - EXP $\rightarrow$ Markov modulated (Kronecker algebra)
  - Markov modulted $\rightarrow$ non-Markovian modulated
  - ...

- Numerical analysis:
  (minimal non-negative solution of non-linear matrix equations)
  - QBD, Riccati, MM Brownian motion
  - precision, worst case accuracy, subtraction-less,
  - sensitivity/perturbation
  - shifting

Reseach fields

- 1 dimension $\rightarrow$ 2 dimensions $\rightarrow$ *n* dimensions:
  - discrete/continuous (w/o Brownian motion)
  - analytical description
  - numerical computation
  - asymptotic behaviour

- MM/non-Markovian point/terminating/branching/tree-like processes
  - analytical description
  - fitting
  - understanding model flexibility

Reseach fields

- additionally
  - stability of non work conserving systems
  - approximation
  - population models

- APPLICATION
  - computer communication
    $\rightarrow$ healthcare/biology/insurance/...

Geographical distribution

Present

- Australia[+]-Belgium[+]
- Mexico-Denmark
- Canada[+]
- Italy[+]
- China[+]
- France, Holland, Turkey, Russia, Japan, Spain, Poland, Hungary[+]

Absent

- India[+], USA[++], Korea, Germany

Do we want to go on?

If so, who/where ?

Special issue of Stochastic models

Open call for all MAM9 presentations

- unpublished elsewhere
- according to standard SM submission guidelines.

Preliminary schedule

- Submission deadline (Sept. 1, 2016)
- Pre selection by editorial board and guest editors
- First round of review: Sept. 2016 Dec. 2016)
- Resubmission deadline: March 1, 2017
- Second round of review (March 1, 2017 to May 1, 2017)
- Final decision period (May, 2017)
- Publication (summer issue, 2017)