

My adventures with A.M.

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Abstract.

A.M., Augustyn Markiewicz, Professor at the Poznań University of Life Sciences, will make it to 65 on 29 November 2021. That made me thinking. Which should happen more often, as only my best friends dare to say.

My humble thinking results in the following pages, illustrated with some photographic glimpses. Let me mention, in passing, that the title of this talk is inspired by Saul Bellow's novel *The Adventures of Augie March*, Viking Press (1953), which I read when Augustyn had just reached the age of 20 years.

1 Polish–Scandinavian Party, 7 June 1984

Let's get going with a real stuff. [Please don't mind if you have heard this or any other forthcoming stuff earlier. Who cares.]

I Know What You Did in That Party in Poznań, 7 June 1984!

That was the title of my talk given in LinStat-2014, Linköping, Sweden (hello Martin!). The venue for this Fundamental Party was Jan Hauke's Suite; Jan was very much a bachelor those days.

Before that, on 3 June 1984, my colleague Erkki Liski and I stepped out of the Berlin–Poznań train at the Poznań Railway Station, and were friendly welcomed by Barbara Bogacka, who kindly guided us to the conference site: *International Statistical Conference in Linear Inference*, held in Poznań, 4–9 June 1984. That event was my first opportunity to enjoy live performances of some famous Polish stars of linear statistical models—among them young fresh Augustyn, with only 27 years' existence. In particular, I was an eager beaver to see alive the Dynamic Duo, Jerzy K. Baksalary & Radosław Kala.

Back to the Party where among the contributors were, under the leadership of Jerzy K. Baksalary, Katarzyna B (JKB's daughter), Augustyn Markiewicz, Barbara Bogacka, Dietrich von Rosen, Kenneth Nordström, Erkki Liski and some others (not forgetting myself which I actually almost forgot during the long night). In a nutshell: that was an unforgettable Party.

Thinking of the Party and the Poznań conference in 1984, I can too clearly imagine the terrible difference what it would have made to have missed all face-to-face conferences!

The *Proceedings* were published by Springer in 1985, edited by Tadeusz Caliński and Witold Klonecki. The Local Organizing Committee was headed by Radosław Kala and Roman Zmysłony. In particular I recall Roman's discussions with me and Erkki as we were travelling under some agreement between the Academies of Finland and Poland and Roman was then employed by the Polish Academy of Sciences. Roman, as we all know, has a remarkable career as a conference organizer, among them the StatLin/LinStat-2003 in Będlewo. (You may ask Roman why the name StatLin was used in 2003!) Roman has some 20–30 conferences and workshops on his belt, and in a way, Augustyn has been following Roman's trail in his organizing activities.

That Poznań meeting in 1984 is one predecessor of the LinStat series, but I'm not sure whether it could be called the first LinStat (there were three related meeting earlier in Wisła) but I guess that it was then so far the most international and influential LinStat.

2 1988: Email, Augustyn's PhD Thesis in the air

On 13 January 1988, I wrote a letter, a *p-letter*, to Jerzy K. Baksalary to Poznań (who in summer 1988 spent several weeks visiting C.R. Rao in Pennsylvania State University and before that George P.H. Styan in Montréal):

Dear Jerzy: ... I have an extremely convenient and fast communication way with George [Styan]: *electronic mail*. Since last summer we have been using it almost daily. As you may know, it is a computer network, very simple to use. and quite reliable. Sometimes my memos go to Montréal only in some minutes but usually it takes an hour or so; during the weekends the systems are, however, sometimes down. ... On best days I have sent a memo to George in the morning, he has received it and replied and once again I have replied to him—and all this within one day!

Jerzy stepped on the North American continent first time on 3 May 1988. I was then visiting George in Montréal. And so George and I went to the Montréal–Mirabel Airport to welcome him.

Jerzy was rather exhausted but otherwise in excellent mood after the long LOT flight, telling that through all his flight he'd been reading and correcting the thesis of Augustyn Markiewicz. “*Oh, those youngsters and their writings ...*”, was Jerzy's comment. Jerzy was Augustyn's supervisor.

3 1990: IWMS #1 in Tampere

It took some time until I met Augustyn after 1984: that was in Tampere, in December 1989. What happened was that Jerzy was visiting our department for one year, starting September 1989. One consequence was that his three hard-working young students/collaborators, Augustyn, Paweł Pordzik and Idzi Siatkowski, visited Tampere for several weeks around December 1989 – January 1990.

In August 1990, Augustyn returned to Tampere to attend the first *International Workshop on Matrices and Statistics*, IWMS, 6–8 August, see the program. Soon it became a series of workshops, so that the next one, the 28th IWMS, will be held in Manipal Academy of Higher Education, MAHE (formerly known as the Manipal University), Karnataka State, South India, 13–15 December 2021.

Over the years Augustyn has been an active attendant of the IWMS meetings and has been a member of the International Organizing Committee for several years. The next IWMS after Tampere in 1990 for Augustyn was in Montréal, 15–16 July 1995 and I attended that as well. Augustyn was also in the IWMS in Shrewsbury, UK, July 1996. I had to skip that and thus I have no full complete set of IWMSs in my diary. (The other I missed was Voorburg in 2001.) In 1990s I met Augustyn in two further IWMSs, Fort Lauderdale (Florida) 1998, and Tampere 1999. To Fort Lauderdale, George’s introduction was the following:

The meeting will begin in the early evening of Friday, December 11, with a *reception* (in the Styan’s suite at Rolling Hills) and end on the Monday, December 14, with a *cruise*, and a *gourmet dinner* (in the Armadillo); a *banquet* (in the Waterfall Cafe at Rolling Hills) is planned for the Saturday evening.

Videos from the conferences in statistics in Tampere in 1987 and 1990, prepared by Jarmo Niemelä and Reijo Sund, are available in YouTube. C.R. Rao’s talks have been watched more than 7000 times. Further info on the IWMS series is in the IWMS-website and in *A short history of the IWMS*.

Augustyn was the main host of the IWMS #13: Będlewo, 18–21 August 2004, to celebrate Ingram Olkin’s 80th birthday. Augustyn was heavily occupied by the endless aspects of the meeting—it was clearly his biggest so far. I was lucky to get some support for the workshop from Nokia (a remarkable Finnish company, whose cell phone Augustyn is still using) and thereby Ingram Olkin was performing as a *Nokia Lecturer*. In passing I cannot resist pointing out that I kinda live in a cell phone. Anyways, in spite of that, let’s continue. In July 2004 Augustyn was having good time in the ILAS Conference in Coimbra (celebrating Richard Brualdi’s 65th birthday!). In the middle of all the fun he sent me desperate emails asking me to do anything I can ever do to accelerate the arrival of Olkin’s funding from Nokia: “If it is not soon in the workshop’s account I don’t dare to return to Poznań”.

Well, everything went smoothly and the IWMS #13 was a successful meeting. In particular, we were happy to have the three Stanford Kings among us: T.W. Anderson (1918–2016), Gene H. Golub (1932–2007) and Ingram Olkin (1924–2016).

4 2007: Będlewo, Montréal, Windsor, Dortmund

The year 2007 was a good one: several joint meetings with Augustyn. First the MatTriad #2 in Będlewo in March, then *McGill Matrix Wednesday* in Montréal in May, and IWMS #16, in Windsor, Ontario, Canada, in June. In addition, in September 2007 Augustyn visited Tampere and was present in Jarkko Isotalo's thesis defence, where Götz Trenkler was the opponent; photo on page 15. Please don't let me forget Augustyn's several visits, often including lectures, to Tampere & Nokia. (Though less lectures in Nokia.) One visit conveniently took place in May 2000 when George received his Honorary PhD from our University.

One highlight in our spring tour in Canada in 2007 was the train trip Montréal–Toronto–Windsor on Thursday, 31 May. We had a good crowd, let me say that. On the previous evening the preparatory dinner was enjoyed at the Chinese Kam Fung Restaurant. George had organized our train tickets, and the trip was colourful, needless to say. The train was supposed to run from 09:40–20:05 staying in Toronto 15:15–16:00, thus making total 10h25, and then for our arrival, Ejaz Ahmed had booked a dinner for us at Escape Café at 21:00 (was it a Lebanese one?). Well, the train was delayed almost two hours, but no worries in such a great company, Bertie being much responsible for the entertainment division.

But that was not all for 2007. In November 23–24, 2007, Götz Trenkler and his team had organised the *Fourth Autumn Symposium of the Research Training Group on "Statistical Modelling"*; so called Bommerholz meeting, in Dortmund. Among the invitees were Augustyn, Jarkko Isotalo, Oskar Baksalary, and me as well.

On Saturday evening, 24 November, Birgit and Götz invited our quartet for dinner at Château Trenkler. Wunderbar, wasn't it! Next day, after returning back home, I sent the following email to Götz:

The return trip of the Finnish delegation went fluently with no problems. Jarkko and I found it completely harmless that while being excessively concentrated in the flaws of our proof for a recent conjecture, we missed the train station of Düsseldorf Flughafen. Fortunately we realised this (in the same morning) and immediately stepped out of the train (waiting of course until it was fully stopped in another railway station). We were extremely lucky to find a train going back to the opposite direction and so we were breathing almost normally.

I may add that after some time Jarkko was so attentive that he concluded that our current train had turned to a sidetrack and was in full speed towards Essen. This was sehr Scheiße news since even though we had nothing against Essen, it was still further away from Düsseldorf than we ever dreamed. Again we stepped out in the next possible station and in spite of the fact that we agreed that with our travelling technique we could almost certainly in due course reach the Düsseldorf Airport, we had a quick summit and we decided to take a taxi to the airport and remain seated in the taxi until we have been told that this is the requested airport. Boringly, it indeed happened.

Let's go back to MatTriad conferences. As said above the second MatTriad was held in Będlewo, in March 2007, local chair being Augustyn. The first conference in the MatTriad series was held in Będlewo, 3–5 March 2005, see the Będlewo Conference Center. From the first eight MatTriads, four have been organized in Będlewo. According to the original plan, it was supposed to be a rather small conference, concentrating on matrix analysis and its applications mainly with invited speakers, limited to three days. Hence the name MatTriad was adopted. However, since 2009, this three-day-rule has not been anymore followed. The eighth MatTriad was held in Liblice, near Prague, 8–13 September 2019. Chateau Liblice, run by the Czech Academy of Sciences, is a fabulous venue for conferences not to mention weddings/crashes/divorces, whatever, and not forgetting the impressive Princely Lounge providing inspiration for joint scientific adventures, which I enjoyed with Steve Haslett and Augustyn.

Augustyn was the chair of the first MatTriad and since then has been an instrumental person in all MatTriads. He's attended all eight meetings but I regret missing the first one in 2005. For the history of the MatTriads, see the article by Hauke, Markiewicz & Puntanen (2020): PDF, in *Applications of Mathematics*.

5 2011: Indian trips

Now it's time to get serious. Indian trips. I have made a number of them since 1990, and three of them with Augustyn (and Soile, needful to say). There is a lot to tell, India is adventurous, I can tell you. So I have to be selective and leave the rest for another occasion. I say a few words about the three Indian trips:

- 1–18 Jan 2012
TMP–HEL–Delhi–Goa–Manipal–Kochi–Delhi–HEL–TMP
- 23 Dec 2012 – 8 Jan 2013
TMP–HEL–Kolkata–Delhi–HEL–TMP
- 29 Nov–18 Dec 2017
TMP–HEL–Goa–Mangalore–Madikeri–Mysore–Manipal–Goa–HEL–TMP

5.1 January 2012: Delhi–Goa–Manipal–Kochi

On Sunday, 1 January 2012. Soile and I flew Tampere–Helsinki in 35 minutes (currently no flights from Tampere at all . . .), flew Helsinki–Delhi in 7 hrs with Tõnu Kollo, then took an IndiGo's 2h30 flight Delhi–Goa on Monday 2 January. Delightfully we were welcomed at Goa Airport at 14:45 by Augustyn who had flown there by Air India from Mumbai. Did good sightseeing, some of us went even swimming. Stayed in Panjim Inn. On Friday 6 January, train 14:25–18:59 from Goa to Manipal. In Manipal we attended the Workshop on *Combinatorial Matrix Theory and Generalized Inverses of Matrices* on 2–7 January, and on the related Conference on 10–11 January.

Overnight sightseeing trip to Mysore (organised by Prasad) on 8 January. Colorful longish bus trip, several jokes told and repeated by our good group.

One highlight was the Ranganathittu Birdsanctuary, Karnataka, 9 January, see the group photo on page 22.

After the Manipal events, Augustyn, Soile and I took a train to Kochi (formerly known as Cochin). Train #16311, Bkn Kcvl Express, 500km, 10h30. An experience! See the photos on two sleepy travellers, page 23. I recall that next day we were in a pleasant beach restaurant and the waitress said to Augustyn “Your Daddy seems to be a bit out of order. Do you think a nice portion of liquid refreshments might do him any good?”

5.2 2012–2013: Kolkata-Delhi

On 23 December 2012, I flew with Kimmo Vehkalahti from Helsinki to Delhi and from there to Kolkata. Everlasting delay in Delhi for the Air India’s flight to Kolkata; Kimmo sent a mountain of emails to our contact guy who was supposed to meet us at the CCU airport. After arriving five hours late our guy indeed was at the airport but told that he had not received any emails from Kimmo. Some other Indian must have received interesting emails!

Augustyn arrived on the 26th and Soile on the 27th of December. Stayed ten nights in Park Palace Hotel, whose best feature was the excellent neighbouring Mirch Masala Restaurant. Never failed.

We attended the *Eighth International Triennial Calcutta Symposium on Probability & Statistics*, see the program. We dined with the Dattas’ Trio in the Aaheli Restaurant in the Peerless Inn, and were wandering around Kolkata with the competent guide Thomas Mathew (whom I met first time in Poznań in 1984). Ratan Gasgupta showed the ISI Campus in Barrackpore Trunk Road and Bikas Sinha the great Banyan trees. Celebrated the New Year 2013 in Taj Bengal where I had been 20 years earlier with George and Somesh Dasgupta (1935–2006). (Curiosity: George and Somesh returned their Glenlivets to kitchen as too tiny.)

One day in Kolkata we went into one temple where people were queuing and we thought let’s go. When strolling through the temple we admired everything accordingly but when approaching the exit, I was told with a serious tone that I should provide a reasonable valid donation. How much, I asked in a thin voice. The previous customer paid 40 dollars, was the reply. I said: I have only peanuts in my wallet, how can I get out of here, and moreover, my wife has to get out as well, and actually I’m not willing to leave her here. Give all you have in wallet, sir, then perhaps you can go. I did as asked and was terribly nervous but was shown out. Later I was told that Kimmo had provided a decent amount of rupees from his pocket. However, when Augustyn was asked he had said he has no money at all, zero. And smiled. And they let him go. Cosmo is Cosmo.

On 3 January we took the Air India flight to Delhi where we stayed two nights in the Guest House of the ISI Delhi Campus. My room with Soile was excessively cold, it was so bloody cold. Problem with windows. Stayed then three further nights in Blu Marina Hotel in Connaught Place. Did the Taj Mahal excursion, of course.

5.3 2017: Goa–Mangalore–Madikeri–Mysore–Manipal

On 29 November 2017, our Trio, Augustyn, Soile and I, had a direct flight from Helsinki to Goa, 8h10. Very convenient. Our aim was to stay four nights in Goa and then take a train to Mangalore, do some sightseeing and one academic visit and end up to Manipal on 10 December to attend the ICLAA-2017 and the special DAE-BRNS Theme Meeting. Prasad had kindly advised us for planning this round trip and indeed it was a great experience.

On the 4th of December 2017, we took a train from Goa's Madgaon Station to Mangalore (431 km). Waking up at 4am, we had a taxi leaving Panaji (former Panjim) at 5am, arriving at Madgaon at 6am. After a delayed train trip we reached Mangalore ca 4pm, from where two PhD students carried us directly to the best restaurant of Mangalore. Augustyn and I gave talks in the seminar at Mangalore University with two other speakers; see the program.

Let me mention that when entering the Goa–Mangalore express train on the 4th of December, we realised that somebody had carelessly taken Augustyn's reserved seat, and was even more carelessly but apparently fully innocently sleeping in the same. What to do? Simple: with Augustyn, Soile, and one unknown co-passanger, I raised and pushed this Sleeping Beauty into the upper level seat/bed, see the photograph on page 29. What we found a kind of a miracle was that while in full sleep, this guy was able to use his smartphone fluently, with no problems. Business is business.

The following episode is from Manipal, 11 December 2017. It's a personal one in the sense that Augustyn is not directly involved. In spirit, he definitely was involved. This is more or less how I put it into my Xmas Letter in December 2017. Some of you might have read it.

On Monday, 11 December, in Manipal, I was scheduled to give a talk in the *Fourth DAE-BRNS Theme Meeting on Generation and use of Covariance Matrices in the Applications of Nuclear Data*. see www.dae.gov.in. My slot was at 14:30–15:30. After having some light family chat with Soile around noon, I left the good old Fortune Inn Valley View hotel in good time, walking in deep thoughts which is my style having reached this age. The walking distance to the conference venue is ca 5–7 minutes. I knew this precisely as this was my third visit to Manipal and my tenth visit to India. After ten minutes, intensively in my thoughts, then, suddenly, I realised that I had taken a wrong way. What do do? Returned back for five minutes or something, turned right, walked another ten minutes, got a hiccup realising that I had no idea where I was. You agree this is getting interesting? Sweating, terribly: 34°C. Started running, in a cosmopolitan style, pretending to be in no hurry at all. Wanted a Tuk-Tuk express ride but was advised to go straight ahead and then turn left or something. Asked another local whether she's happened to see the University of Manipal. "Straight ahead, Ol' Man!" The bad news was it was already now time when I was allocated to deliver my talk about covariance matrices. After some powerless efforts I ended up at the Department of Statistics, 6th floor, beautiful charming building, but I was not interested in architecture,

I was desperate, hopeless, hating any beauty in whatever architecture.

In the Statistics Department, I explained that I should have been speaking already half an hour in a conference which apparently was in another place. After my standing 15 minutes in coma in the Statistics Department, the Emergency Bus Driver drove me—using no siren by my request—to the correct venue to Manipal Institute of Technology. The whole episode, including the bus trip, took ca 1h10 or something. Which is a kind of achievement for a trip that should take max seven minutes by walking.

6 2006–2016: Portugal

Portugal deserves a separate section in any article dealing with Augustyn and the scientific & social meetings of our Old Boys' Gang. (I have no guts to use “girls” nor “ladies” in this context.)

My first trip to Portugal took place in September 2006: *SCRA 2006–FIM XIII, International Conference on Interdisciplinary Mathematical and Statistical Techniques*, in Tomar, 1–4 Sep 2006. It was much to do by Augustyn and Carlos Coelho that I really found myself in Tomar in September. Since then, Tomar with the leadership of Francisco Carvalho and João Tiago Mexia has been an excellent venue for LinStat, MatTriad and IWMS conferences. The IWMS #25 was organised in Madeira in 2016 by Francisco, and MatTriad #6 in Coimbra in 2015 by Natália Bebianio.

One morning in Tomar in September 2006, actually it was the day when C.R. Rao received his Honorary PhD in Tomar, Augustyn and I were slowly strolling towards the place of the festive ceremonies, wearing our ultra super black suits. You cannot be surprised to hear that we had black ties, shiny black shoes and dark sunglasses. I had even color-washed my problematic hair so that it would be almost as black & shiny as that of Augustyn. Then, of course we lost our way in minutes but to our luck we suddenly met a youngish shining lady. Excuse us, dear, but would you mind telling where we are now, and besides, are we right now in Portugal, was our passionate question. The expression in the lady's face and her mysterious hymning were due to her mixing us with the celebrated movie stars *Men in Black*, that was our conclusion.

7 2003–2020: Będlewo

My latest trip abroad was to Poland, Będlewo, 16–21 February 2020, when Kasia Filipiak & Augustyn organised the biannual MMLM research group meeting. That appeared to be the last-moment opportunity for the old-school meeting for some time. Then, none in our group had any idea how hard the Wuhan phenomenon would hit.

In Będlewo, from 2009 onwards, there has been an International Research Group Meeting on Multivariate and Mixed Linear Models, shortly MMLM, supported by the Stefan Banach International Mathematical Center, and organised by Kasia and Augustyn. The number of participants has

been mostly below 20 and the mutual discussions on joint problems are the main and most significant part of the meetings. I have had an opportunity to attend these biannual meetings since 2013. For a bit of history, see Augustyn's report in 2019 meeting's Abstract Book.

As a result of these meetings Springer has new book on pipeline, see the website, editors being Kasia, Augustyn and Dietrich. I will have there a paper, ca. 54 pages, with Steve, Jarkko, Radek Kala and Augustyn. So far my longest paper has been the DLLPS, 54 pages, appearing in *Sankhyā*, in 1992, with four coauthors.

These Będlewo meetings are something unique. No standard meetings at all. Hardly any talks but can be some. Discussions, a lot. Free forum. Nicely motivating for me, indeed. I could give guided walks in the neighbouring forest, warn you about beavers, show the track to the lake and around. Confession: maybe once, perhaps it was in 2013, I missed one afternoon presentation by making an unnecessarily extended after-lunch walk with Augustyn. That could happen; if one has serious plans to revise the manuscript thoroughly.

I almost forgot one thing: why am I doing so well in Poland? Some of you may know but the plain fact is that sometime in 1990s I bought in Delhi Airport *Simple Etiquette in Poland*, by Krystyna Carter, a guide book first published in UK in 1992 but with the first Indian edition in 1994 (for sale in Indian subcontinent only). There are lots of advises, some really old ones and thereby nicely marinated and tested. For example, a sixteenth century traveller to Poland, William Bruce, noted in 1598: "The Poles are large of body, tall, uprighte and personable. The gentry full of ceremonies, civill and courteous in entertainment, bountifull at table, costly in dyett, great gourmandes, and quaffers, not sleepy, nor heavy in their dronkenesse, . . . , high-mynded, and proude . . . "

Acknowledgements

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Most photographs of this paper are taken by me but some by Soile, Augustyn, Kimmo, Kasia and Somnath Datta – thank you very much!

And to Augustyn, very many happy returns and adventures for your 65th birthday, 29 November 2021!

8 Photographs



Figure 1. A Pole on a Goan Beach, 3 January 2012.



Figure 2. That's it. Kolkata, 31 December 2012.



Figure 3. Nordic-Polish Party in Jan Hauke's suite, 7 June 1984. Jerzy K. Baksalary, Katarzyna B (JKB's daughter), Dietrich von Rosen.



Figure 4. Augustyn, Jerzy, Jan, June 1984.



Figure 5. Augustyn, Jerzy, Idzi Siatkowski and Paweł Pordzik in Tampere Railway Station, December 1989.



Figure 6. Bernd Schipp, Paweł Pordzik, Jan, Augustyn. IWMS #1, Tampere, 6–8 August 1990.



Figure 7. Jerzy lecturing, IWMS #1, Tampere, August 1990. Front row: Shanti S. Gupta, J.N. Srivastava, Song-Gui Wang, Götz Trenkler, Stanisław Gnot. 2nd & 3rd row: Jürgen Kleffe, Roman Zmyślony, Augustyn Markiewicz, Jan Hauke, Tõnu Kollo.



Figure 8. IWMS #7, Fort Lauderdale, Florida, celebrating T.W. Anderson's 80th birthday, 11–14 December 1995. Program.



Figure 9. Tadeusz Caliński, Radosław Kala, Götz Trenkler, Roman Zmysłony, Augustyn. StatLin conference in Będlewo, 21–27 August 2003.



Figure 10. IWMS #13, Będlewo, 18–21 August 2004. Abstract Book.



Figure 11. Gene H. Golub, X, Bikas K. Sinha, Ingram Olkin, Augustyn, Ludvig Elsner, Yongge Tian. Będlewo, August 2004.



Figure 12. IWMS–IOC meeting in Będlewo, August 2004. George, Götz, Augustyn, Tõnu, Dietrich, Jochen.



Figure 13. Jarkko Isotalo's Thesis Defence Dinner, Tampere, 7 September 2007. Opponent: Götz Trenkler.



Figure 14. Augustyn, Erkki Liski and Friedrich Pukelsheim, IWMS #15 in Uppsala, 13–16 June 2006.



Figure 15. International Conference on Interdisciplinary Mathematical and Statistical Techniques, Tomar, Portugal, 1–4 September 2006. C.R. Rao received an Honorary PhD. Can you spot Augustyn?



Figure 16. MatTriad in Będlewo, 22–24 March 2007. George made it to 70.



Figure 17. Above: *McGill Matrix* Wednesday, Montréal, 20 May 2007. Below: waiting for the train Montréal–Windsor, 31 May 2007.



Figure 18. IWMS #15, in Windsor, Ontario, Canada, 1–3 June 2007.



Figure 19. Shuangzhe Liu, Augustyn, George, Yogendra P. Chaubey; in Ejaz Ahmed's home. Windsor, June 2007. Who made it up to 70 that year?



Figure 20. Martin Singull was in charge of LinStat-2014 in Linköping. There is a wonderful beach in Linköping.



Figure 21. Birsen Eygi Erdogan, Augustyn, Francisco Carvalho etc, planning the LinStat-2016/Istanbul in Linköping, 25 August 2014, at 23:40.

Below: Istanbul, LinStat, 22–25 August 2016.



Figure 22. International Workshop & Conference on Combinatorial Matrix Theory and Generalized Inverses of Matrices, Manipal University, Manipal, India, 2–7 & 10–11 January 2012.



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PNR No: 8548657629	Train No. & Name: 56641/MAO MAQ PASS	Quota: General
Transaction ID: 0404503473	Date of Booking: 15-Oct-2011 04:47:14 PM	Class: 2S
From: MADGAON(MAO)	Date of Journey: 06-Jan-2012	To: UDUPI(UD)
Boarding: MADGAON(MAO)	Date of Boarding: 06-Jan-2012	Scheduled Departure: 14:25 *
Resv Upto: UDUPI(UD)	Distance: 0350 KM	Adult: 03 Child: 00
Passenger Mobile Number: 9980100886		
Passenger Address :- Sri Kirshna, Kotathattu, KOTA Post Udupi Karnataka - 576221		

FARE DETAILS :

1	Ticket Fare	Rs. 180	Rupees One Hundred and Eighty Only
2	IRCTC Service Charges	Rs. 10	Rupees Ten Only
3	Total	Rs. 190	Rupees One Hundred and Ninety Only

PASSENGER DETAILS :

SNo.	Name	Age	Sex	Concession Code	Booking Status/Current Status/Coach No./Seat No
1	Simo Puntanen	66	Male		CONFIRM D1/ 0049/ WS
2	Soile Puntanen	65	Female		CONFIRM D1/ 0050/
3	Augustyn Markiew	55	Male		CONFIRM D1/ 0051/

Figure 23. Goa–Manipal: 350 km = 0.86 EUR, 6 January 2012. Madgaon = train station in Panaji (Goa), Udupi = train station in Manipal.



Figure 24. Goa, 3 January 2012.



Figure 25. Jeff checking his camera in Manipal banquet, 10 January 2012; Jeff, Hazel, SP, Augustyn, Tonu Kõllo, Steve Kirkland.



Figure 26. Ranganathittu Bird Sanctuary, Karnataka, India, 9 January 2012. Excursion arranged by Prasad when attending the International Workshop & Conference in Manipal.



Figure 27. Jan Hauke's home, July 2012. In the context of LinStat/IWMS. Ivan Žežula, Jan, Prasad, SP, Augustyn.



Figure 28. Above: Kolkata 27 December 2012; Toronto, August 2013.
Below: Manipal–Kochi train 12 January 2012, 11:56–22:25.



Figure 29. Bargaining in Kochi; visiting the Kochi University, 16 January 2012.



Figure 30. Augustyn: a celebrated dancer, here in Tomar, LinStat, July 2010. He can dance even Fado. Poor me: a developing but eager dancer, here in Kolkata, Taj Bengal Hotel, 31 December 2012. Below: Manipal University Dance Group, January 2012.



Figure 31. Thomas Mathew, Kimmo Vehkalahti and Augustyn, in the front of Park Palace Hotel, Kolkata, stayed 10 nights, from 24 Dec 2012 to 3 Jan 2013. Below: Augustyn thanking the nearby Mirch Masala Restaurant. Our goal: The Eighth International Triennial Calcutta Symposium on Probability & Statistics. www.



Figure 32. Dancing, *matrix*! How to dance the *matrix*? Ever done that? Kolkata, 29 December 2012.



Figure 33. Above: Soile, Augustyn, Thomas, Kimmo, in the night of Kolkata, 28 Dec 2012. Below: With the Dattas in Aaheli Restaurant in Peerless Inn, 29 Dec 2012.



Figure 34. Kolkata, 31 December 2012. After visiting a temple.



Figure 35. With Bikas Sinha et al., Victoria Memorial, Kolkata, 2 January 2013.



Figure 36. Taj Mahal, 6 January 2013.



Figure 37. With Mika Mattila in Montenegro, MatTriad, 16–20 September 2013.



Figure 38. IWMS #22, Toronto, 12–15 August 2013.



International Conference on
Linear Algebra and its Applications
December 11-15, 2017



Figure 39. Manipal conference was our goal and the route was Helsinki–Goa–Mangalore–Madikeri–Mysore–Manipal–Goa–Helsinki.



Figure 40. 1 December 2017, Panaji, Goa.



Figure 41. Horizontal travelling, 4 December 2017. Goa-Mangalore train # Mangalore Exp-12133, 5h26, Coach AB1, seat/berth LB/4, LB/1, SL/7; Class: 3A.



Figure 42. Mangalore University, 5 December 2017.



Figure 43. Martin & Augustyn in Manipal. Cosmo is Cosmo!



Figure 44. Cultural event, 13 December 2017, Karanth Bhavan, Kota, near Manipal. Soile, Martin, Hilary, Steve H., Augustyn, Hazel, Jeff, Steve K., Michael Tsatsomeros.



Figure 45. Cultural event, Karanth Bhavan, Kota, 13 December 2017.



Figure 46. Sunset in Manipal, 16 December 2017.



Figure 47. Goddesses of Learning in Nokia, December 2017: the bigger one from Tirunelveli in Dec 1993, the smaller one from Manipal in Dec 2017. Augustyn in Montenegro, 17 September 2017.



Figure 48. Princely Lounge, MatTriad conference in Liblice, Czech Republic, 8–13 September 2019.



Figure 49. Steve Haslett, Dário Ferreira, Hilary Smith, Sanda Ferreira, Augustyn, Soile. Banquet in Liblice, September 2019.



Figure 50. Reflections in Będlewo, 14 November 2019. Can you spot a human being?



Figure 51. MMLM group in Będlewo, 12 November 2015.



Figure 52. Nokia, May 2000.



Figure 53. Tomar, September 2006; Nokia, May 2013.