



Reinhardt Abraham Memorial Foundation

Newsletter 2014

Edition Nr. 17



Dear Friends of the Reinhardt Abraham Memorial Foundation

Yet another successful and exciting year of serving Reinhardt Abraham Memorial Foundation (RASf) comes to an end.

Thanks to Michael Garrett, Steven Eelman and last but not least April Stempniak from Boeing for the superb collaboration over the last years. Also the support of Lufthansa Technik's human resources organization continuously improved the student relationship management since it was introduced in 2007. The close collaboration of Boeing and Lufthansa Technik HR representatives is one important success factor for the future of our Foundation.

In January 2013 we celebrated the 100th scholarship from RASf extended to Dominique Dieck at a little ceremony in Hamburg. She currently does her internship with Boeing.

This past October four candidates have been selected for a scholarship out of a group of eighteen. All in all 105 students have been at Boeing since inception of the program, 43 who participated in the exchange program between UoW and TU Berlin and 62 students selected by RASf independently.

The financial situation of the Foundation continues to be solid thus enabling us to continue the successful work. This would not be possible without YOU, all our friends of RASf, and your continued support and your trust in our work. I sincerely hope that we can rely on your continued loyalty also in the future.

On behalf of all members of the RASf team I wish you a peaceful Holiday Season and a good start into a healthy, happy and successful New Year 2014!

sgd. Bernhard Conrad

Chairman of the Board



Another successful year is coming to end.

Still Marek Rinke working for LBAS is successfully supporting the recruiting marketing for RASf. This year there was an increasing number of applications again. 18 interviews could take place in October. Once again 4 excellent candidates were selected to start in 2014.

The internship of Mr. Bala Swamy ended in September. He is proud to be the first one of the RASf students who received the 'Pride@ Boeing' award through the Boeing Recognition Program which enables managers to acknowledge their colleagues' exceptional performance at a variety of levels.

As a member of the 'Technik Talent' program Jonas Fornacon is now the first one who could step in the eighteen months lasting StartTechnik trainee program. He just started with the rotation in our company in Hamburg.

His companion at Boeing, Lisa Kremer, just finished her 6 months Master's thesis in the department 'Office of Airworthiness' at Lufthansa Technik Hamburg.

Matthias Beck who is working for LHT in Hamburg is now announced as 'Junior Relationship Manger' in the University Aim Concept of LHT for the TU Berlin. He will help to support and extend the cooperation between TU BER and LHT on different levels.

Enjoyable Christmas holiday and Happy New Year!

Kind regards

Savenia Budinic

Lufthansa Technik AG

Talent Relationship Management &

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Life

Reflecting on the last three months here in Seattle, the term “time flies when you’re having fun” certainly applies to me. When I got here in early September, which seems like yesterday, the city was buzzing in the gorgeous late summer weather. This gave us the opportunity to get a bird’s eye view of the greater Seattle area thanks to Aris Phylaktou, one of the previous Boeing interns from the TU Berlin, who recently attained his Private Pilot’s Licence (PPL) here and took me and Dominique, the second intern with me, flying. Seattle boasts a number of parks that are ideal for catching some rays and enjoying stunning views of the Puget Sound. Downtown Seattle is also a great place to discover on foot. There’s so much to see if you walk from Columbia Tower via Pioneer Square to Pike Place Market and on to the Space Needle. Kerry Park is the place to take the signature skyline picture of Seattle, just to let you know...



View of Seattle in the foreground and Mt Rainier in the background from Kerry Park

It might not be the best time of year to do so, but I decided to do attend flight school and attain a PPL. Inevitably, I spend most of my spare time at ground school or up in the air flying over Washington’s spectacular scenery with Mt Baker in the north, the Cascade Mountain Range in the east, the Olympic Peninsula in the west and Washington’s signature mountain in the south, Mt Rainier. If you have the opportunity, spend time with your neighbours and other students attending the University of Washington, do so. They always know what’s going on in town and give you tips on what to do in and around Seattle. Most Seattleites (the term used to describe the inhabitants of Seattle) are very open and welcoming, so go ahead and take up their offers to include you in their plans for activities!

The apartment the Boeing interns unofficially hand down from “generation to generation” is located just east of Green Lake. This is an ideal location not only for getting to all Boeing facilities that are dotted in and around the city, but also for walking/driving to popular neighbourhoods like U-District, Capitol Hill and Downtown.

Something that overwhelms a lot of RASF scholars is the mountain of paperwork that has to be processed before flying to the USA and upon arrival. It is vital to stay on top of this paperwork and to keep the ball rolling at all times. Read through all of your documents when applying for your visa so you don’t forget to include any documents, cooperate well with Lufthansa Technik, Boeing and GACC representatives to ensure the application process runs smoothly and, once you arrive in the U.S., organise a Social Security Number, a Drivers Licence, a bank account and a mobile phone as soon as possible. Sticking to these tips will make settling in to life in the New World seamless.



Henry (l.) and Taylor (c.), Boeing interns from Hong Kong, with me after the Seahawks beat the Tampa Bay Buccaneers at Century Link Field

Work

At Boeing, I work in the Cargo Systems and Furnishings Department in Everett. What makes this department very special is the fact that here, products are designed and developed from concept to delivery while interacting very directly with suppliers and customers. What I noticed with Boeing employees, especially in my department, is that asking questions gets you far. People appreciate you taking interest in their work and subsequently include you in meetings and other Boeing-related activities.

Initially, my training plan envisaged a rotational program with me changing groups inside the cargo department every other month. However, one month into this program, I noticed I was only learning basic work procedures and assigned low-level tasks because of the short period I would be in a group. I sat together with my manager to discuss my situation and he took immediate action to alter my training plan to fit my needs and demands. I am now working on a project that spans my entire internship from September until March and involves cooperating with most groups in the Cargo department.

Advice

To recap, these are the three most important pieces of advice I want to give you:

- Stay on top of all of your paperwork.
- If you are not happy with your job, talk to your lead immediately and be honest and concise.
- Never say no to things. You'll have a great time!

Finally, I would like to thank everybody at the Reinhardt-Abraham-Studienförderung and all representatives from The Boeing Company, Lufthansa Technik and the TU Berlin for giving me this opportunity to come to the U.S. to discover an extremely exciting part of the world and work at such a prestigious aerospace company. I have had a wonderful time so far and eagerly look forward to the coming three months.



Definitely worth a visit while in the Pacific Northwest – Vancouver B.C.

Dominique Dieck
Boeing Trainee Program
Sep 2013 – March 2014

My internship here at Boeing has so far been very exciting and interesting for me. I'm part of the 747-8 Interiors Design Engineering Team. My group especially is responsible for Secondary Support, Stowbins, Linings and Passenger Service Units. This might sound boring when you first read it, but getting to know that almost everything you see inside the cabin is connected to my group, make you understand how important my department is. Just one example is the distribution of oxygen masks throughout the cabin, which I was able to work for in a project for a new customer introduction as well.



My team is also investigating future concepts and the associated business case for the 747 airplane. I'm also helping my team with factory support and in-service issues. I feel like this is giving me a detailed insight into the work processes of the Interiors Team.

Because Lufthansa was the launch customer and is still the operator of the largest 747-8I fleet, I can observe every single step from assembly until delivery.

My office is located in the big factory – the largest building in the world by volume! It

houses the assembly line of the 747-8 helping me recognize the CATIA drawings of aircraft components I see in my office on the final product itself.

My personal highlights of my internship so far have been the maiden flight of the 787-9 and the delivery ceremony of Lufthansa Cargo's first 777F.



The best experiences outside of Boeing up to now have been the flights with Aris Phylaktou over Seattle, Everett and Puget Sound, my road trips to Mount Rainier and the Olympic National Park and my first soccer game.



To my first soccer game ever, I was joined by Matthew, Philippe and Max (also a German exchange student)

I'm looking forward to the coming months at Boeing and in Seattle, which will hopefully be as exciting as the last ones!

Jasmin Bumanowski
University of Washington
Sep 2012 – March 2013

I arrived in Seattle after a nice and relaxing flight via Frankfurt, excited to see how the city looks that I will spend the next six months in. Following a good recommendation I applied for the home stay program and spent the first few weeks with a very nice host. Though I was not really concerned upfront about it, it is really great to stay with a host family in the beginning. The city, the culture, everything is new and arousing, so coming “home” to a nice place is unbeatably relieving. The last months have been so overwhelming that they overlay months of preparation and excitement till I got the final YES.



When I got to know about Reinhard Abraham Studienförderung, I was really excited and found it difficult to decide for which to apply, because both offers of the RASF are tempting: work experience at one of the world biggest aircraft manufacturer Boeing or two quarters at one of the top public universities in the United States, the University of Washington. I found out about the RASF during my 9-months internship at Lufthansa Cargo followed by my diploma thesis about the collected data. There I've deepened my passion for the aviation; also it has been always my dream to study in the US. Finally I decided to follow the wish for studying in the US and am more than happy about this decision.



To study at an American University is much different to studying in Germany. The quarter system reduces classes to ten intensive weeks. Classes twice a week with homework, mid-term and final exams can be really tasking. The biggest difference in my eyes yet is the support students get from their professors, TAs (teachings assistants) or RAs (research assistants) and other staff. I was well advised to apply for an “independent study”, in which you work with a professor on an individual project. I got in contact with a professor, who is at the same time Project manager at Boeing and we decided to conduct a research project together. In fact I'm investigating on the same field here as I did at Lufthansa Cargo and within my diploma thesis. Now I'm getting a wider perspective within a field I have already some experiences in. I also get the great chance to get to know the company and its great and interesting people who are working in. I'm very lucky to have found a wonderful way to be able to combine both now: the UW and Boeing.

Beside my time in classes and in Everett, I'm enjoying the city as much as I can. Seattle is a multicultural, diverse, and interesting city, which gives so many options to flower out. It provides uncountable places, and more than once the views over the city or one of the lakes have literally been breathtaking. Cafés, Bars, Restaurants, Theater, Symphony Orchestra, Ballet, ... there exist so many options that are very impressive to me, grown up in an even bigger city Berlin.

(And yes, I do have to make a comment about the weather: it's been fantastic! Sunny and warm with an Indian Summer till October and I've never had such a sunny

November in my life with 8 days of sun in a row!) The international people I got to know here are awesome and we're all sharing the same enthusiasm for Seattle. Also the local Americans are loving people, once you get behind the "Seattle freeze"-attitude.

Even the city provides enough to spend seven days/week in it, I tried to enjoy the places around Seattle as well. The Olympic Peninsula is a beautiful place as well as a bit southern the Oregon Coast. Mount Rainier is one of the classic places of excursions and I was lucky to get there

on a sunny day. Portland is only three hours by car or train away and a very interesting city. I was also able to visit Canada for the first time: Vancouver, B.C.



is only a few hours train ride (along the water) away and worth to visit more than once!



I'm writing to you just after Thanksgiving. A wonderful opportunity to get to know even more about the American culture. (Beside the famous turkey, some indispensable must-haves: mashed sweet potatoes, pumpkin pie, and egg nog!). Also a wonderful opportunity to be thankful, which brings me to the end of this brief newsletter: Thanks to Lufthansa Technik and the RASF. Thanks everyone at the TU Berlin, especially in the Overseas/International Office. Thanks to The Boeing Company. Thanks to everyone else, who made it possible for me to be here.

Blakrishna Swamy
Boeing Trainee Program
March 2013 – Sep 2013

I still remember my last day at Boeing, it was very emotional moments I knew I was going to miss that amazing place and all the personal relationship I experienced every day.

It all started early even before I was selected for the trainee program. I was in India for my sister's wedding when I was invited for the interview. Unfortunately the selection panel couldn't postpone my interview. I knew it was a big opportunity and with family's concurrence I decided to miss my sister's wedding reception and fly back to Berlin on the day of my interview. I was going before the selection panel from Boeing and Lufthansa with lot of pressure, also because the whole town back home knew that I missed the occasion for my interview. And finally that moment when I received the mail, "Congratulations!! The committee has chosen you to be a part of the Boeing Trainee Program".



I knew it would be an extra ordinary experience but honestly it exceeded my expectations. Undoubtedly today I can say that it was the best memorable time of life. Right from my invitation for interview, hectic VISA process and till the time we reached Seattle it was quite an exciting

phase. Midst of Boeing union negotiations and speculations if we will be called for the trainee program in summer 2013 and all the paper work we finally reached Seattle!

It was perfect time of the year to be in Seattle! The best thing about this program is that it is very well organized. We were welcomed and received by Boeing staff at airport and our stay was arranged in a nice hotel with beautiful view of space needle from my window. We took over the apartment and car from the previous trainees. That did make our life easy because we didn't have to worry much about our accommodation, car and other things. Apartment too is located in a very beautiful area near Green Lake, Seattle.

I was placed on 747-8 with Manufacturing Engineering group in Everett. My program was structured in two half by my senior manager. First three months I was working with Cart lift, Crew Rest and Furnishings group and then I was interning with Interiors Build Integration. My first day at Boeing was definitely overwhelming. I still remember that numb feeling when I entered the factory on first day. It's really a huge factory! I was welcomed by my manager and he introduced me to my new team. I have no hesitation in saying that I worked with best team lead and managers. I had a mentor and buddy who took care of me right from day one. I was given the tour of the largest building in the world. I consider myself very fortunate to have interacted and worked with many people at Boeing. I worked on various projects like Value Stream Mapping, Factory Installation hour's improvement initiative on 747-8, Factory Tooling's project. My expectation at Boeing was to work on multi-disciplinary projects, spend lot of time in factory and try to understand how the airplanes are built. I wanted to develop the qualities of teaming, leadership, patience and Integration.

Today when I look back at my six months at Boeing I can surely say that there are many people who contributed in making it a meaningful and successful experience. I also had the opportunity to work for project with Lufthansa Technik. I was part of the Moisture management team of Boeing and Lufthansa Technik. That was indeed a great learning experience to understand the basics of different commodities and identify the root cause of problem and develop the best optimized solution for the challenge. I was really proud to receive Pride@Boeing award from team lead and continuous motivation from my manager and team members.



During Summer Boeing employs a lot of interns. I made lot of new friends who were interns and new hires. There are lot of fun activities going around at Boeing and Seattle in summer. I took five days off before Labour Day weekend and went on road trip to Yellowstone National Park with my friends. I will never forget my long awaited first tandem skydive. It was amazing feeling to jump off from 13000 ft

from a perfectly good airplane. It is indeed exciting to take off in an airplane and not be landing with it! I had fun time outside of work with many social events, went on a Cruise organized by REACH, intern bonfires, BBQ with neighbours. Unfortunately I met with a road accident while driving back from work. I was rear ended on I-5 south. The reason I mentioned this is because it could get stressful in such event. I literally had to chase my insurance agency and had to go through chiropractic treatment for couple of months. Luckily I am in good shape today.



Boeing also offers lot of classes and tours that can be taken at and outside work on various technical and self development topics. As an intern you can leverage the freedom to talk to anyone and know about their job profiles and task. I especially liked the Informational interview, wherein as an intern you can set up an interview with anyone to learn about different areas and understand the organization. It is rightly being stressed by previous trainees as well that it is your responsibility towards yourself, the RASf and Boeing to make the most out of this unique opportunity to work at Boeing and to get as much as possible out of it in regards to your professional and personal growth. I enjoyed the positive energy of people working at Boeing. Most of them are willing to listen to you and

provide you with information and share their expertise. All you have to do is talk to as many people as possible. As an organization everyone shares that vision right from senior managers to factory mechanics. There is nothing that holds you back at Boeing. Even as an intern you are more than welcome and encouraged to participate and share your opinions in team meetings. It is indeed an unique opportunity to gain priceless experience working at Boeing. Personally it was a great opportunity to learn and grow technically and personally.



Pic: Send off lunch with my team.

Finally I sincerely would like to thank many people that made this wonderful experience possible in first place. Special thanks to my first team lead Debbie Warfield, my mentor Ivan Pinzon, they helped me tremendously to settle at Boeing and Seattle. Apart from being my team lead and mentor I consider them a friend and it wouldn't have been same without them. Thank you Debbie and Ivan!

My senior manager Gary Dutton, my first line managers Monte Estey and IBI Manager Ken Burkett who were always eager to help and support me. Thank you Ken for trusting and passing entire projects in to my responsibility. Thanks to both my MLEA and IBI team members. I would also like to thank April Stempniak from BCA Global Engineering and Technology & Global Trainee Program who facilitated the orientation process. Michael Garrett from Boeing and Savenia Budinic from Lufthansa Technik for all your support and confidence.

Congratulations and my very best wishes to the new chosen candidates. Once again would like to thank RASf, Boeing, Lufthansa Technik, and TU Berlin for providing us with this unique opportunity. Truly time just flew by at Boeing and United States. I will always cherish the friendship, beautiful memories and experiences I got. I am already missing Boeing and Seattle. Hopefully I will see everyone again!

Aris Phylaktou
Boeing Trainee Program
April 2013 – Sep 2013

Before I applied for the Boeing Trainee Program, I took the chance to read several reports of former RASF students. During that time I honestly never expected that I would be sitting in front of my computer one day typing out what I lived and experienced in Seattle. “Why should they choose me?” I thought. Looking back at the application process, I realized that the most important skills you need are passion, motivation and dedication for what you do.



Keep your eyes open for Seattle-Art –
Lufthansa's Boeing 707

The organization of the trip to Seattle and especially the paperwork turned out to be very exhausting. The permanent monitoring of the application process and coordination of the different involved parties took a lot of capacity, but at the same time helped me improve my management and communication skills. But enough about the preparation, let's talk about Seattle.

The first days in Seattle started rather lonely. Bala, the other intern, arrived about one week later, so I had to explore Seattle on my own.

I had the chance to visit several US cities in my life and I can tell you that Seattle is by far my favorite. The Space Needle especially at night, the EMP Museum,

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Pike-Place Market and Boeing's Everett Factory are things you have to visit! The street-art is also very impressive and sometimes contains some unexpected drawings – as you can see on the picture above.

My first internship position at Boeing was in Bellevue. In case you are only familiar with Boeing's main facilities in Everett, Boeing Field and Renton: Boeing's Bellevue facility is an office building east of Seattle on the Interstate 90. You do not really get the feeling that you work for an aviation company when you are there. Only the posters inside the building remind you of Boeing.



Renton Municipal Airport – July 7th 2013 - Flying my first Solo

In Bellevue I was working in the Freighter Conversions Department, the so called BCF – Boeing Converted Freighter. I was assigned to the Project Technical Lead-Team that manages the freighter conversion process. On the one hand, it coordinates various groups that are involved with the conversion such as Avionics, Structures and Payloads, and on the other hand it communicates with the customer to assess their needs. My assignment was to work on structure modifications for the Boeing 767-300BCF and to coordinate the different groups that are involved in the process. Unfortunately the Freighter Conversion Department was going through a restructuring process and

work sources had already been moved to Long Beach, California.

As my projects had been pushed back in time due to a replanning of schedules and the restructuring of BCF, I asked to move to another position closer to aircrafts.



Seattle-Tacoma International – Lufthansa 490 – Taken while flying the Renton Arrival

The Flight Test Instrumentation department kindly gave me the chance to join their group. The instrumentation group mainly works with FTCS – the Flight Test Computing System. FTCS supports all needs of Boeing to conduct flight tests and in particular to coordinate activities and resources required for each test and to conduct and analyze every test. The work was highly software based, but very interesting. For example, I had the chance to perform calculations that are now implemented on the Boeing 787-9 flight testing program. In general, I was working on two projects. The first and main project is a program that should ensure a better interaction of vendor software and FTCS to meet future demands in flight testing. The second project was to develop a training session that explains to flight test engineers how to use FTCS for their own needs.

Additionally to my work, the airborne data-analysis and monitoring system (ADAMS)

troubleshooting group gave me a good overview of how their data analysis system works, not only in the telemetry room, but also on the aircraft. This gave me the chance to see ZA004 and ZA005, both are Boeing 787-8 Flight Test aircraft, as well as ZB001, which is Boeings first 787-9 from the inside. Furthermore, I had the chance to visit Boeings 747-8 that was originally supposed to be delivered to Lufthansa, but finally stayed in Boeings flight test fleet as RC021.

One of my favorite moments of the internship was the observation of a test flight of RC021 in the telemetry room at Boeing Field. Seeing the procedures and the professionalism of the different flight test teams was remarkable.



Paine Field Everett – Boeings Aircrafts for delivery – During touch and go training on RWY 34R

The first couple of weeks during the internship are usually used for web based training. The training course topics range from emergency- evacuation of your office building to knowledge that is usually related closely to your job assignment. As I had some extra spare time, I took courses about Lean Management and Airplane Certification as well as Flight Test Instrumentation, as I want to focus on Avionics during my masters. The Ed-Wells classes provided by Boeing and the engineering union SPEEA give you the chance to deepen your knowledge about aircraft. As I was allowed to attend some of them, I can assure you that the

knowledge provided within them is great. Unfortunately most of them are for U.S. nationals only, so I was not allowed to attend the really interesting ones about Airplane Design and thermal management in aircrafts.

Seattle provides plenty of opportunities for your spare time. I decided to dedicate my time to flying. The amount of time I had to use in order to learn the theoretical skills took up a huge amount of mine. Furthermore, the flight training I had to take after work did not allow me to be at home usually before 7 pm while leaving home at about 6.20 am. I decided to take my flight lessons with BEFA – Boeings Employees Flying Association in Renton where the Boeing 737 is assembled. Holding short of the runway and waiting for a 737 to perform the finally high- speed taxi test before its first flight provided me with unforgettable memories. Another great moment was overflying Lufthansa's A330 prior its flight back to Frankfurt luckily I was able to take a picture of that (on the previous page).



Renton Municipal Airport – Boeing-Interns-Flying-Tour – Saturday September 21st 2013

But my favorite flying moment was the first time as a private pilot when we made an Boeings-Interns-Flying-Tour around Seattle with Dominique, Bala and Matt overflying Seattle-Tacoma International airport, doing touch and goes in Paine Field, Everett and passing over Seattle downtown as well as our apartment at 70th Street before landing in Renton in beautiful conditions.

Another thing I can recommend doing is driving from Seattle to San Francisco to experience the beautiful scenery of Highway 1 and Highway 101, to go whale watching in Anacortes, WA and to visit Vancouver, Canada. No matter what, you will find something interesting to do. So just apply for the Boeing Trainee Program and make the most of it!

We wish you a Merry Christmas and a good start into
a successful New Year



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