

Self Introduction

AMSC 663/664

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Anna Sotnikova

2nd year graduate student

University of Maryland,
Department of Mathematics,
Applied Mathematics and Statistics, and Scientific Computation program,
Scientific Computation track

Professional background

- Education
 - BS in applied math, ITMO University, Saint-Petersburg, Russia (2006 - 2010)
 - MS in applied math, ITMO University, Saint-Petersburg, Russia (2010 - 2012)
 - Graduate student, University of Maryland (2015 - current)
- Work experience
 - Support engineer, SAP (2013 - 2014)

ITMO University

ITMO = **I**nformation **T**echnologies, **M**echanics and **O**ptics

established in 1900

students in 2014: 15 000 (10% are foreign)

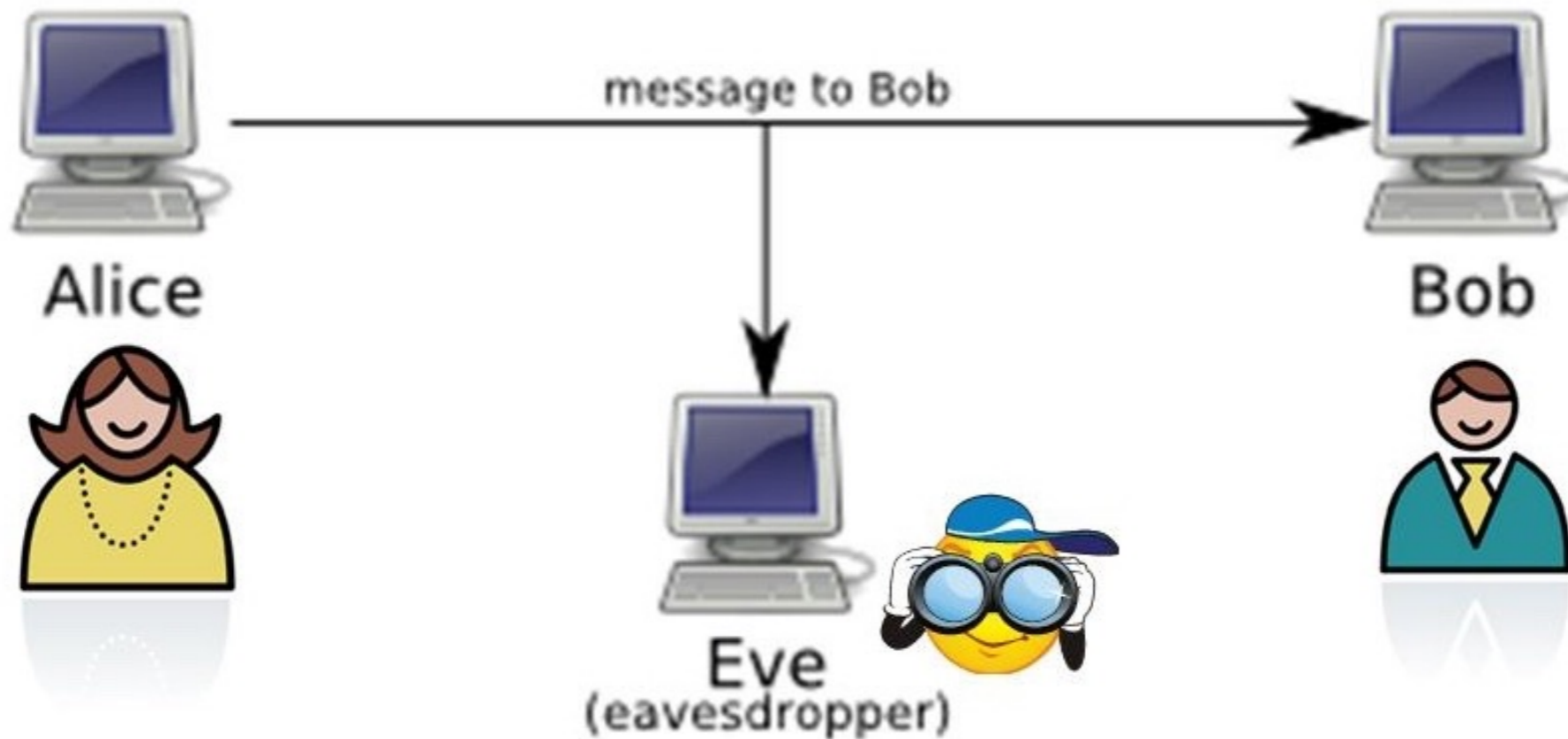
might be known for winning the International Collegiate Programming Contest (ICPC) in 2004, 2007-2009, 2012, and 2015.

ITMO University



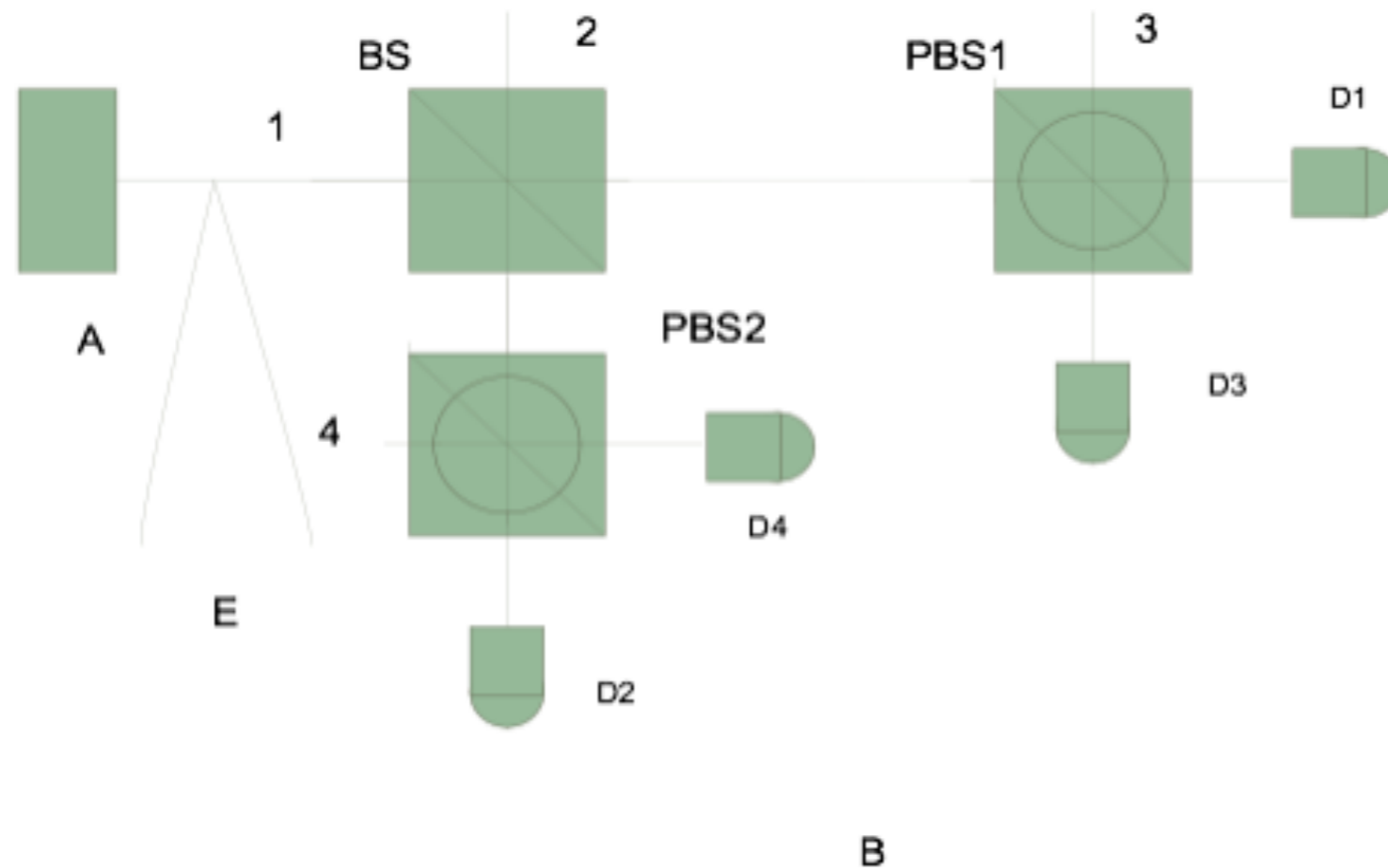
BS and MS thesis

- Research area - quantum cryptography



BS and MS thesis

Not only Eve adds noise in a signal. Non-ideal optical fibers also gives some error.



Notations:

- A - Alice
- B - Bob
- E - Eve
- BS - Beam splitter
- PBS - Polarized BS
- D - detector

Reference: C. H. Bennett and G. Brassard. "Quantum cryptography: Public key distribution and coin tossing". In Proceedings of IEEE International Conference on Computers, Systems and Signal Processing, volume 175, page 8. New York, 1984.

SAP

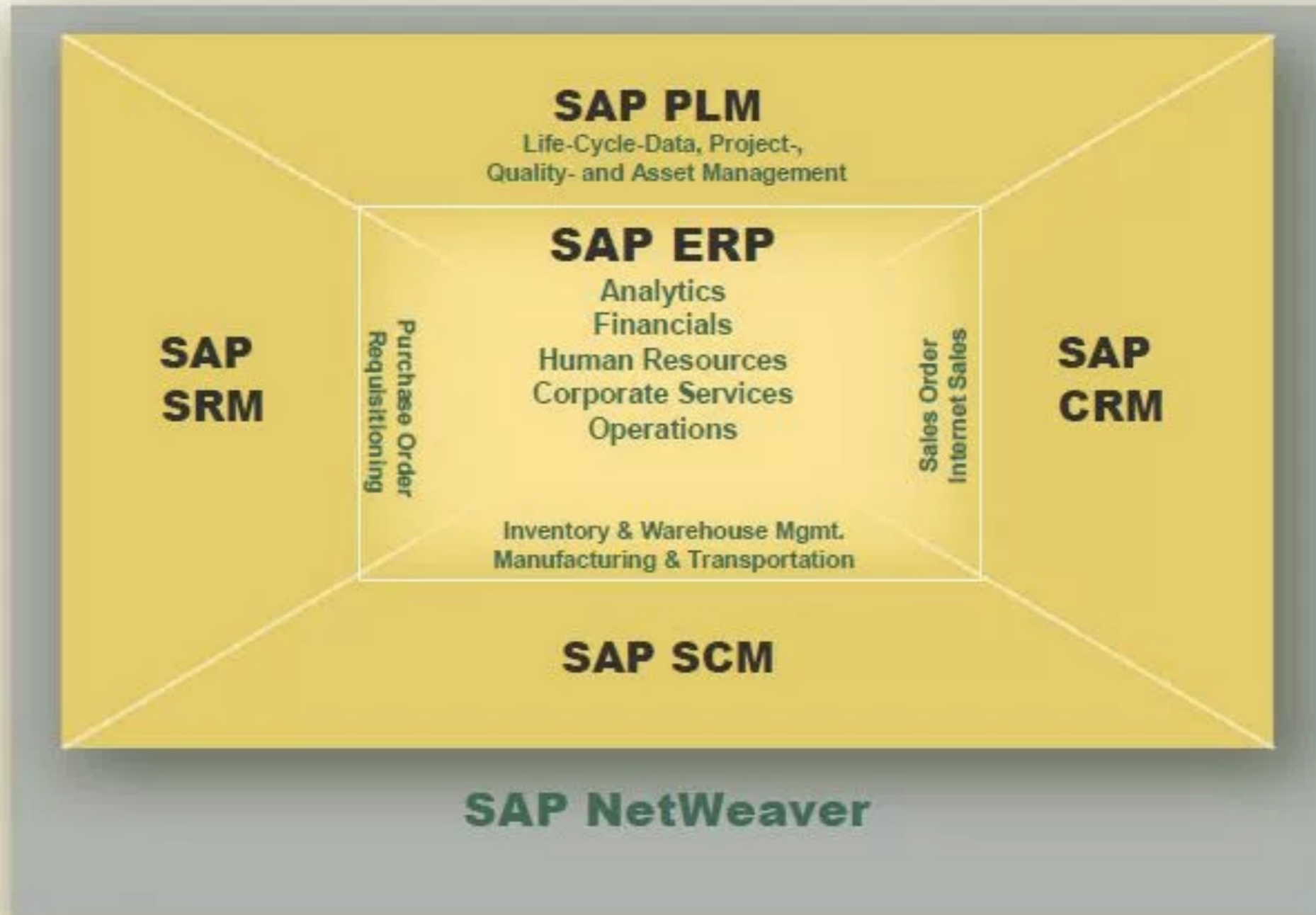
- Company was found 44 years ago near a small German town by 5 entrepreneurs. Now the company has more than 79 000 employees in more than 130 countries.

Heidelberg



SAP

SAP Business Suite



Personal Interests

influenced by growing up in St. Petersburg

Music



Mozart - Requiem, Communio

Travel (Sochi)



Thank you for your
attention!