

WISDOMS and ADVICES to PhD students

- Science is a discipline in which even a fool of this generation should be able to go beyond the point reached by a genius of the past.

Scientific folklore, 20th century

- Many great discoveries could have been made by first year science or technology students.
- When you try to reach for stars you may not quite get one, but you won't come with a handful of mud either.

Leo Burnett

- Do not hurry with the choice of the theme of your thesis, choose a challenging one
- Help yourself, then also your advisor and God will help you.
- It is not important how much you read. More important is how much you write. Even more important is how often other people read, enjoy and use what you write.
- To write thesis should not be your main goal. More important is to build during your PhD study such a reputation, by publications, presentations and social skills that you get excellent postdoc position and then a superb job.

- Good results have fast and/or important impacts only when they properly published and presented - chose carefully conferences and journals for your publications and presentations.
- One who is serious all day will never have good time, while one who is frivolous all day, will never establish a household.

Ptahhotpe, 24 century B.C.

- When a distinguished but elderly scientist states that something is possible, he is almost certainly right. When he states that something is impossible, he is almost certainly wrong,

Arthur C. Clarke

- Don't express your ideas too clearly. Most people think little of what they understand, and venerate what they do not.

Baltasar Gracian (1601-1658) - Spanish philosopher

- Theorems are like mushrooms, usually where there's one, others will pop up. *George Poylya*
- Difference between an expert scientist with a lot of experiments and young researchers is not that the older one has more ideas. Not at all.

Difference is that expert knows better how to take more advantage of the (new) ideas he has.

One of the thing an expert does is that he does not give up on an idea until he gets all the milk, all the juice out of it.

- If you have made money on the market all the economists will listen to you.
- At the heart of everything is the question, not the answer.

John Archiboldo Wheeler

- An actual robot that make one step and then falls over is worth much more than a computer simulation of 29,000 robots running the London Marathon in record time.
- What you need is that your brain is open.

Paul Erdős

- It is possible to build a cabin with no foundations, but not a lasting building.
- Imagination is more important than knowledge.

Albert Einstein

- Když už někdo je, tak nech kouka, že je co je a ne co není, jak tomu často je.

Jan Werich

- Our best theories are not only truer than common sense, they make far more sense than common sense has.

David Deutsch, 1996

- Every talk should contain at least one proof and one joke and they shouldn't be the same.

Mark Braverman

- Mathematics may be defined as the subject in which we never know what we are talking about, nor whether what we are saying is true.

B. Russel (1917)

- Only with heart one can see well, what is essential is invisible to the eye.

Antoine Saint-Exupery.

- A traveler who refuses to pass over a bridge until he has personally tested the soundness of every part of it is not likely to go far; something must be risked, even in mathematics.

Horace Lamb