ERRATARIUM
for Real-Time Systems

CISTER – Research Centre in
Real-Time & Embedded Computing Systems

Geoffrey Nelissen
grrpn@isep.ipp.pt

Why?

- Hundreds of papers published each year
- Some of them inevitably contain mistakes, errors, typos, …
- All errors, big or small, deserve to be known by everyone
  - To avoid their spread in other works
  - To avoid teaching wrong results
  - To allow people to find appropriate solutions
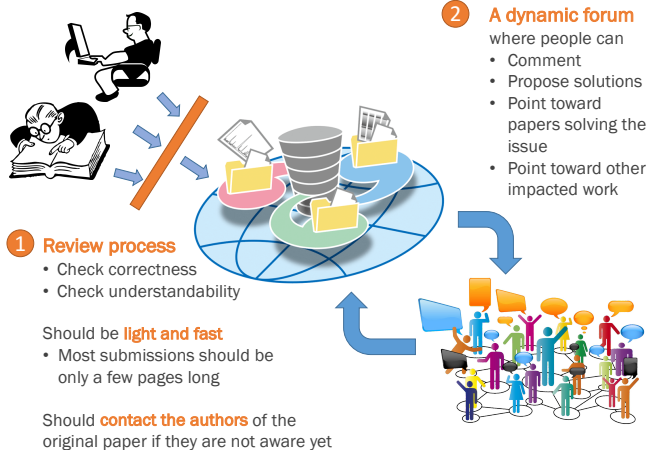 - To learn from them and not reproduce them later

- Errors can be of very different types and/or level of importance
  - Completely wrong result
  - Wrong proof but correct result
  - Wrong use of a previous work
  - Assumptions that are are incorrect or not stated
  - Simple typos
  - …
- We need solutions to reference all of them, irrespective of their type, impact or importance

How do we handle it today?

"Who cares !?" → Everyone should care

ERRATA → Where do I publish it?

Conference / Journal
- Long process
  → what do we do in the mean time?
- Not all errata have enough contribution for a journal/conference (e.g., correction of a typo)

Personal webpage
- Maybe Google will reference it… or not
  → lost in the internet

As part of another work
- You must be lucky to find it
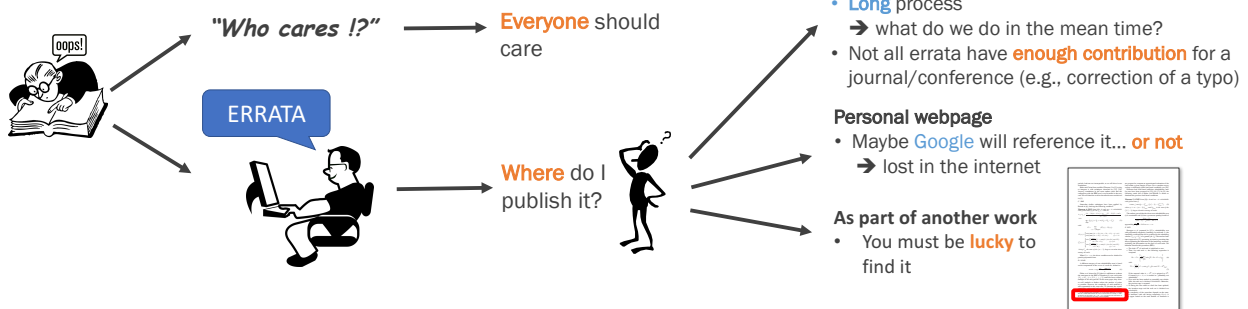
What do we propose?

- Centralised repository
  - Free access
  - Anyone can submit (authors of the original paper or not)
  - No copyright transfer

① Review process
- Check correctness
- Check understandability

Should be light and fast
- Most submissions should be only a few pages long

Should contact the authors of the original paper if they are not aware yet

② A dynamic forum where people can
- Comment
- Propose solutions
- Point toward papers solving the issue
- Point toward other impacted work

In short

What it is not

- It is not a place for public-shaming
- It is not an indexed journal, neither does it replace them
  - Authors should not be rewarded for publishing errors
  - People should not make a business of publishing short errata only
- It is not tied to a single journal/conference
  - To ensure independence and not be accused of favouring errata of papers published somewhere else
  - To keep it centralised

What it is

- A place to spread knowledge and make things right
- A place where people can find open problems and propose solutions
- A single place, easy to find where errata are listed and freely accessible
- A place where people can easily check if a problem was referenced for a given paper
- A place where documents can be updated and where version consistency is ensured (there should be a clear mark-up of the version number)
- A tool complementary to conferences/journals
  - Authors keep the copyrights
    → they can submit a longer version with for instance a solution to the problem spotted, to a journal/conference later or at the same time
- A place where anyone can submit and help the community

How can you help?

- Share your experience, ideas, views, opinions with us
  - If you know existing or better solutions, let everyone know
  - What can go wrong?
  - What can be improved?

Get in touch
- Any time during the conference
- Sending an e-mail

grrpn@isep.ipp.pt