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Discussion 2005/6:

# REQUIREMENTS FOR IYPT DEVELOPMENT

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## Structure

- Problems
- Reasons
- Goals
- Realization
- Ongoing issues
- The Austrian position



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## 2 Problems

### Identity:

- Approach to physics (general)
- What should the IYPT actually be?

### Management:

- Process-management (problem-finding, jury, admission of teams, relations among jurors, team-leaders & team-members, etc.)
- Organization (organization of the tournament, meetings, etc.)
- Structure (Committees & responsibilities, tasks)
- Economics, fund-raising, PR



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## Reasons

- increasing number of participating countries
- countries with different social & cultural background (little awareness) ⇒ esp. education policy & systems
- differing experiences, expectations, possibilities (bigger/smaller scales) & ideas about the IYPT
- Little official information & communication with new-comers



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## Goals

- ∅ identify the differences & resulting opinions
- ∅ investigate their resulting position within the IYPT according to their special situation & needs
- ∅ establish the main conflictive issues
- ∅ define the principle characteristics and the development which the IYPT should have in the future
- ∅ agree about precise guidelines on organisational problems, which respect divergent ideas



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## Realization

- ∅ invite all interested countries to present their ideas (electronically)
- ∅ to ask them to answer a questionnaire based on topics currently under discussion (electronically; also in future for new-comers)
- ∅ prepare an information sheet about the guidelines on "hot topics" (attached to the statutes)
- ∅ time-schedule



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## Ongoing Issues (1)

- definition of IYPT's principles
- style of communication & expected behaviour & etiquette
- increasing number of participants
  - admission/selection of new countries
  - participation-fees
- the "Jury" - question
  - number and qualification of jury members
  - preparation & composition of the jury



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## Ongoing Issues (2)

- providing of new problems (definition of requirements)
- well-delineated delegation of responsibilities within the EC
- definition & delineation of the tasks & collaboration among the committees (EC, LOC, IOC)

### Financing:

- fund-raising
- PR & Sponsoring
- distribution & allocation of funds





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## The Austrian Position (1)

The **IYPT** is an international, open, flexible & networked group of persons interested in

- the propagation of physics esp. among young & interested people
- physics teaching



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## The Austrian Position (2)

The **I YPT** organizes tournaments in order to:

- ü give the students occasion to be confronted with people of the same age, to match wits with them in their knowledge of physics & their abilities to apply it on a scientific level
- ü to come into contact with young people of other countries & continents who share their experiences
- ü to participate in the scientific community



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## The Austrian Position (3)

Therefore it is important to

1. challenge them with interesting, well-prepared, open-ended problems on basic research (not technology) cultivating the cooperation between the IYPT and universities & research institutes (⇒ PR & support, esp. in EU)
2. give them possibility of discussion with experts
3. have a fair chance & satisfaction with good performance (jury, medals, etc.)
4. give the possibility to participate in YPTs to all interested countries according to organisational and economic possibilities



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## The Austrian Position (4)

re 3)

- ∅ guidelines for the jury instead of definitive solutions (Alan's model)
- ∅ extended pre-tournament jury meeting (review of the problems!)
- ∅ common criteria: clearly communicated theory supported by experiments, suitable references, discussion & competency on basic physics, suitable presentation
- ∅ extra points for a first place in a fight (skating model or Martin's model)
- ∅ a balanced jury – with an especially qualified chair

**However, statistics prove the point!**



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## The Austrian Position (5)

re 4)

- each country 1 team
- accurate criteria for admission:
  - participation in a regional YPT
  - a reliable contact person (at least 1 participation as a (guided!) observer)
  - in the absence of a regional competition: 2 participations of the same person as observer
  - regular contact with the LOC of the contact person
  - participation fees (support of countries who participated in the past in the form of exemption from the fees, aid for travel expenses)



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## The Austrian Position (6)

Tasks of the committees:

- Executive Committee:
  - prepare the IOC meetings (papers, changes in the regulations, etc.)
  - supervise the correct development of the tournament itself (final decision)
  - compile the juries together with the LOC
  - responsible for the jury meetings



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## The Austrian Position (7)

- Local organizing committee:
  - organisation of the tournament
  - selection of the participating teams (together with the EC)
- **New committee:**
  - ↳ fund-raising
  - PR & Sponsoring (home-page)
  - contacts with the International Organisations
  - distribution & allocation of funds (together with the EC & LOC)



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Thank you for your attention!

## Contact

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