

# ICTVT

INTERNATIONAL CONFERENCE ON TECHNOLOGY AND VOCATIONAL TEACHERS

The 5<sup>th</sup> ICTVT 2019:

**Enhancing Technology and Vocational Competency for Smart Industry**



Organized by:  
Faculty of Engineering  
Universitas Negeri Yogyakarta, Indonesia.  
September 14<sup>th</sup> - 15<sup>th</sup>, 2019



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## Preface

On behalf of the committee, I am very excited to welcome all of you to the International Conference on Technology and Vocational Teachers (ICTVT) held right here in Yogyakarta, Indonesia. This annual event is organized by Engineering Faculty, Universitas Negeri Yogyakarta and held from 14<sup>th</sup> to 15<sup>th</sup> September, 2019. The main purpose of this conference is to bring a unified communication platform for professional practice in engineering fields, researchers, vocational teachers, academia, and government.

Under the theme “Enhancing Technology and Vocational Competency for Smart Industry”, the conference this year features a strong program, including three inspiring keynote speeches delivered by Dr. Dr. h.c. Georg Spöttl, M.A from German, Prof. Dr. Ramlee Mustapha from Malaysia, and Prof. Dr. Bruri Triyono from Indonesia. On top of that, we attracted more than 114 submissions from eight different countries. After reviewed by relevant experts, about 90 valuable research papers have been accepted for presentation. I would like to express our utmost gratitude to the keynote speeches, presenters, authors, and co-authors for contributing excellent papers.

Last but not least, I am grateful to all the technical program committee members involved in evaluating submitted papers, considering the merit through detail reviews, and selecting paper of the highest quality for oral presentation. I would like to thank all the organizing committee members and Faculty of Engineering, Universitas Negeri Yogyakarta, whose generous support contributed to the success of 2019 ICTVT. I hope it will have a fruitful and great value to everyone.

Yours Truly,

Suprpto, Ph.D.

Conference Chair, 2019 ICTVT,

Faculty of Engineering, Universitas Negeri Yogyakarta

## Words from the Rector

*Assalamu 'alaikum Warahmatullah Wabarakatuh.*

May peace and god's blessings be upon all of us.

Vocational education has received increased attention for the last decade. It, in turn, contributes to the preparation of vocational teachers. Preparing vocational teachers will take a lot of time, energy, and resources. It also needs supports from the development of technology.

The development of the technology, in particular the Internet, helps. In addition, integrating internet-based in the manufacturing industry has reinforced enhance the development of the field the need for the integration of the Internet in the teaching and learning process. It is to support the effort of coping with this rapid development that the 5th International Conference on Technology and Vocational Teachers (ICTVT 2019). It is expected that this conference will be a good forum for all of us to share research findings, best practices, ideas related to current trends in searching the appropriate technology and vocational competencies needed to cope with the smart industry.

Universitas Negeri Yogyakarta (UNY) has a high commitment to devote efforts to support the development of vocational education. One of the efforts related to such commitment is the preparation of the establishment of a vocational school to help provide workers with hands on experience and supported with adequate technological skills. With this commitment, we hope to improve impacts both nationally and internationally.

Finally, appreciation and gratitude are to all committee members and those who have been working hard to make this conference possible. Special thanks go to all the invited speakers who have been willing to share ideas here in these conferences.

*Wassalamu 'alaikum Warrahmatullah Wabarakatuh.*

Yogyakarta, 10 September 2019

Rector of Universitas Negeri Yogyakarta  
Prof. Dr. Sutrisna Wibawa, M.Pd.

## Peer Review General Policies

Papers will be rejected as refereed paper if a sub-mission deadline is missed or if maximum capacity has been reached. Paper will then publish as an unrefereed paper at the ICTVT website (<http://ictvt2019.uny.ac.id>), we only received is allowed in general.

1. Paper will reject if submission or correction deadline is missed
2. Each paper shall have two reviewers
3. A reviewer shall not know the identity of another reviewer assigned to the paper
4. A reviewer shall not contact the author directly concerning the paper
5. Reviewer shall not make any personal remarks or comments that may betray their identity when entering the instructions for requested correction/revision of the paper
6. Reviewer must not referee papers of which they are author or co-authors
7. There are only 4 possible outcomes from the reviewers:
  - Accepted without correction
  - Accepted with minor correction
  - Accepted with major correction
  - Rejected
8. Decisions about paper rejection are final

### Peer Review Acceptance Criteria

All papers published in this volume of IOP Conference Series: Materials Science and Engineering have been peer reviewed through processes administered by the proceedings Editors. Reviews were conducted by expert referees to the professional and scientific standards expected of a proceedings journal published by IOP Publishing. Here are the criteria:

1. The paper should comply the conference theme
2. The quality of content must have solid work and decent contribution
3. The paper must at least have significant for the theory and practices
4. Paper must discuss one step forward from the ordinary discussion
5. The paper quality has to be well written

### Question posed to referee in review module

Reviewer must acknowledge they have read the referee guidance statements. Reviewer answer Yes/No to the following queries

1. Is the quality of content meet the requirement?
2. Is the significance for theory or practices meet the requirement?
3. Is there any innovative aspect in the paper?
4. Is the paper's theme align with the conference theme?
5. Is the paper present in proper way?

## **Outcome of the Referee Dialogue**

1. If answer to 1) 2) and 3) are negative (no) then paper is uncorrectable (automatic rejection)
2. If answer to 1) – 5) are positive (yes) then paper is automatic accepted
3. If answer to 1) – 3) are positive but either 4) or 5) is negative then two cases exist
  - a. Easy/straight forward to correct then: revise
  - b. Difficult to correct then: reject

## **Reviewer then enters final appraisal**

Question: Is the paper acceptable for publication in its present form?

Answer is limited to three possibilities (entered by the reviewer)

1. Yes (accept)
2. No, but easily corrected (request author to make revision)
3. No and uncorrectable (reject)

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