学術雑誌発表論文リスト

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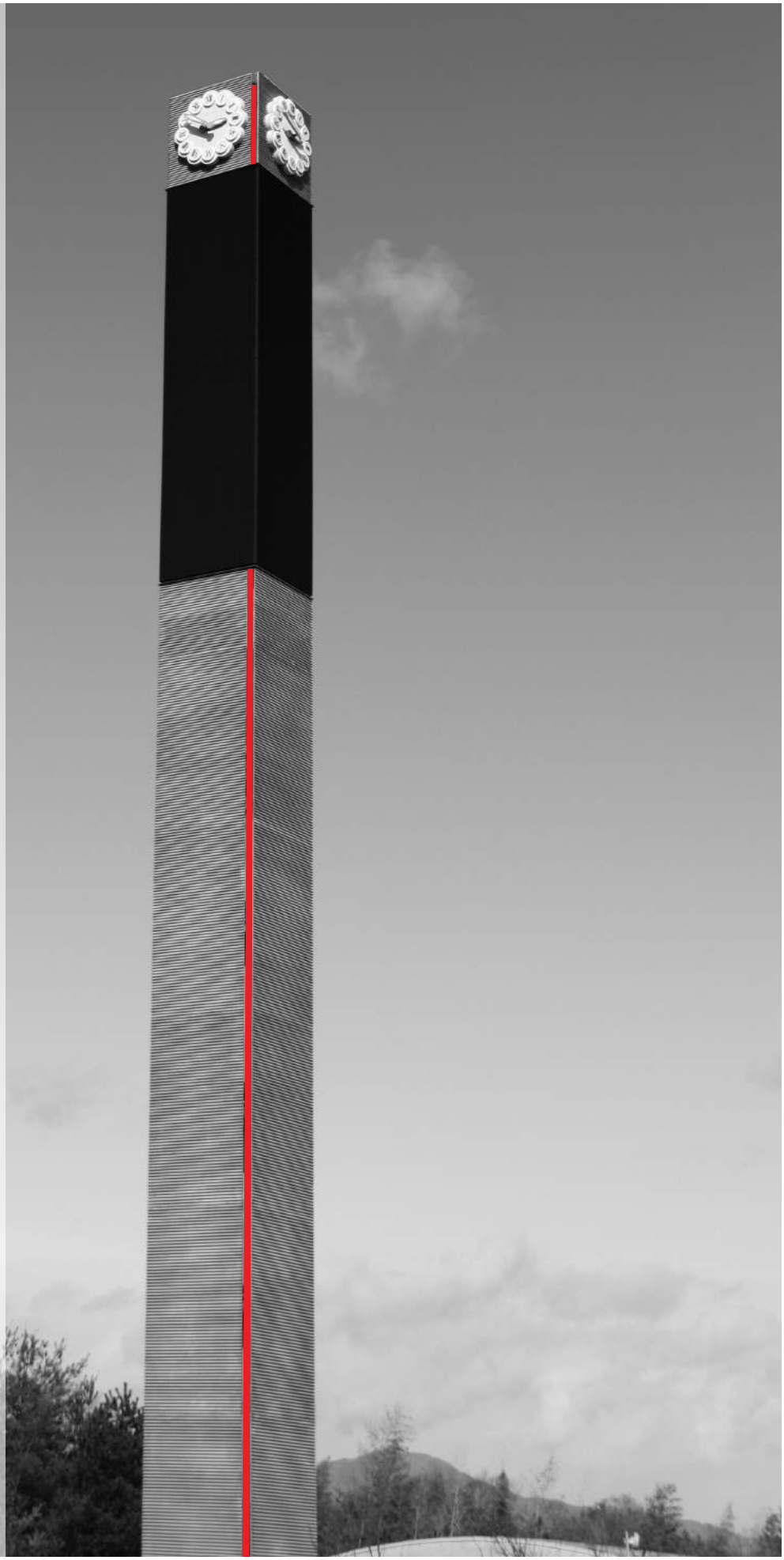

京都大学大学院工学研究科

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ま え が き

工学研究科長　伊藤紳三郎

大学の教員にとって「教育」と「研究」は最も重要な業務であり、教育については優れた人材を輩出し、研究についてはその成果を広く公開して社会に還元することがもとめられています。有難いことに、昨年実施された自己点検・評価において、工学研究科の教員の皆様の教育研究エフォートは 70%以上を維持しており、国立大学の法人化以降、増加する一方の業務の中で、皆様が大学教員の本務を理解し、努力していただいている様子が伺えます。しかしながら我が国の国立大学全体を見ますと大変厳しい状況にあります。2002 年に 70%あった教育研究エフォートが 2013 年には 62%に低下しているという調査結果や、2004 年に 37,000 件程度あった工学系論文数が 2012 年には約 31,000 件、つまり 20%も減少したということが国立大学協会や科学技術・学術政策研究所から報告されています。これらの現象にはもちろん社会的背景があり、国の財政状況や少子化を理由とした運営交付金の削減、定員削減等の政策による負のスパイラルに日本の大学が巻き込まれていると言えます。しかしながら、工学研究科がこれに巻き込まれるわけにはいきません。私共には「工学」というこれからの社会を支える学術があり、逆境を跳ね返す実力があります。その意味で上述のエフォートは大変有難いエビデンスであると申し上げました。

大学が社会に訴える妙策、奇策はありません。地道に研究の成果を社会に公開し、還元することで私共の価値、プレゼンスを高めることがもっとも重要な方策でしょう。その一つの手段として、工学研究科における研究成果を取り纏め、さまざまな媒体を用いて広報することには大変大きな意義があります。

以前は「工学研究」が毎年編集され、冊子体にて論文目録が発行されていましたが、やがて CD-ROM 化され、さらに WEB 上に掲載されるようになりました。2011 年には、工学研究科附属情報センターの尽力で「研究成果データベース」が開発されました。メタデータを含めた論文データが収集され、さまざまなキーワードによる検索、統計データの抽出や各研究室・個人別の業績リストの作成などの利用ができるようになりました。京都大学の教育研究活動データベースの基礎資料にもなっています。

工学研究科の「研究成果データベース」から、最近 2 年分のデータを抽出し、印刷したものが本冊子「学術雑誌論文発表リスト」です。今回は第 3 巻となり、2013 年から 2014 年の論文が収録されています。冊子体では、工学研究科の他の研究分野も含めて研究テーマや活動状況を概観することができ、興味深い研究が見つかればデータベースで詳細を知ることができます。また冊子体の編集過程でさまざまな追加や修正が行われ、電子データの欠点を補っています。

この冊子体の発行が、工学研究科の研究力を実績をもって内外にアピールするとともに、研究者の皆様にとっては、より高いレベルの国際的学術雑誌への掲載を目指す刺激になり、共同研究のきっかけや研究モチベーションの向上に役立つことを願っています。

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