

グローバルCOEプログラム

教員・学生の皆様方へ

この度、グローバルCOEプログラム主催の講演会を下記の通り開催させていただきますので、ご案内申し上げます。お誘い合わせの上、多数のご来聴をお待ち致しております。

ーグローバルCOEプログラム主催ー

日 時： 平成19年11月22日（木） 14:00～16:00（予定）

場 所： 材料開発物性記念館 研修室（2階）

講演題目： THE PERIODIC TABLE AND THE METALLURGIST

講 師： Prof. Fathi Habashi 教授（Laval University, Canada）

問い合わせ先： マテリアル生産科学専攻 田中 敏宏（内線 7504）
平井 信充（内線 7467）

THE PERIODIC TABLE AND THE METALLURGIST

Fathi Habashi

Department of Mining, Metallurgical, and Materials Engineering

Laval University, Quebec City, Canada G1K 7P4

E-mal: Fathi.Habashi@gmn.ulaval.ca

ABSTRACT

As science advances, its laws become fewer but of greater scope. In this respect the Periodic Law, which is the basis of the Periodic Table, represents a major step in the progress of chemistry - - it affords the natural classification of the elements. The Periodic Table was developed by chemists more than one hundred years ago as a correlation for the properties of the elements. With the discovery of the internal structure of the atom, it became recognized by physicists as a natural law. When the crystalline structure of solids was studied, the nature of the chemical bonds was understood, and the theory of metals was put forward, it became an essential tool not only for chemists and physicists, but for metallurgists as well. Of the 87 naturally occurring elements, 63, i.e., about three fourth are described as *metals*, 16 as *nonmetals*, and 9 as *metalloids*. A new look at the Periodic Table is given.