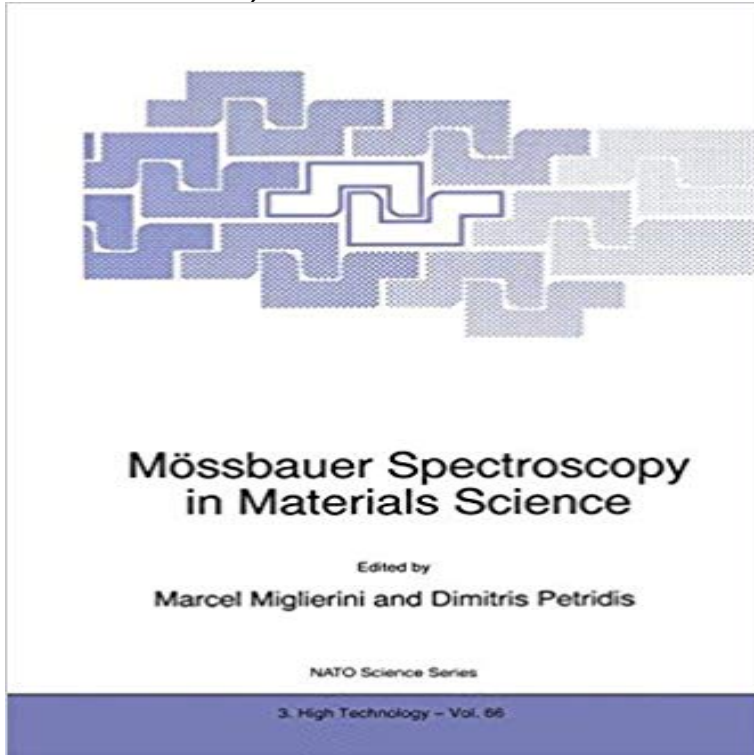


## Mossbauer Spectroscopy in Materials Science (Nato Science Partnership Subseries: 3)



Material science is one of the most evolving fields of human activities. Invention and consequent introduction of new materials for practical and/or technological purposes requires as complete knowledge of the physical, chemical, and structural properties as possible to ensure proper and optimal usage of their new features. In order to understand the macroscopic behaviour, one has to search for their origin on a microscopic level. A good deal of microscopic information can be obtained through hyperfine interactions. Mossbauer spectroscopy offers a unique possibility for hyperfine interaction studies via probing the nearest order of resonant atoms. Materials which contain the respective isotope as one of the constituent elements (e.g., iron, tin, ... ) but also those which even do not contain them can be investigated. In the latter case, the probe atoms are incorporated into the material of interest in minor quantities (ca. 0.1 at. %) to act as probes on a nuclear level. This Workshop has covered the most evolving topics in the field of Mossbauer spectroscopy applied to materials science. During four working days, 50 participants from 19 countries discussed the following areas: Chemistry, Mineralogy and Metallurgy, Artificially Structured Materials, Nanosized Materials and Quasicrystals, and Experimental Techniques and Data Processing. A total of 42 contributions (30 keynote talks) reviewed the current state of art of the method, its applications for technical purposes, as well as trends and perspectives. A total of 39 papers are included in the present volume. Applications in Chemistry//.

Agradable ruta realizada junto al Bilbao Alpino que parte desde la localidad alavesa de Guinea, en la vertiente Sur de la sierra de Arkamo y que discurre por las cimas de Olvedo, Pelistornes y Cantoblanco.

Desde Guinea el camino es muy evidente, ya que las dos primeras cimas están muy cerca y separadas por un pequeño collado. Su subida es corta y casi directa y está señalizada justo a la salida del pueblo.

Al Olvedo se llega relativamente rápido. A pesar de que las nubes a veces nos impiden apreciar las vistas, el paisaje se intuye precioso.

2017-01-22\_10-36-17

Para pasar del Olvedo al Pelistornes tan sólo tenemos que cruzar el collado y llegaremos en apenas 10 minutos a nuestra segunda cima del día.

2017-01-22\_10-53-02

Una vez coronadas las cimas anteriores hay que continuar la travesía en dirección a la al Cantoblanco, que se asciende tras un durillo cortafuegos.

20170122\_123405

Desde la cima tenemos justo en frente el Montemayor, máxima altura de la vecina sierra de Arkamo.2017-01-22\_13-00-09

Finalmente, iniciamos el descenso hacia la curiosa localidad de Salinas de Añana...

20170122\_142807

...donde podremos completar la ruta con una visita a las propias Salinas.

20170122\_142812

Una ruta de unos 15 kilómetros sin dificultades reseñables. Únicamente se hace necesaria logística de vehículos. De no tener esta facilidad entonces es mejor realizar únicamente la subida al Olvedo y Pelistornes.

Tu voto:

Publicado en Araba, Rutas fáciles | Deja un comentario

Los Retos de 2017

Publicado el 01/24/2017 por 12meses12montes

Bueno, un nuevo año que ha pasado y uno nuevo que acaba de comenzar. 2016 fue un año muy intenso, si bien los retos que nos marcamos en un principio sólo se vieron cumplidos en una tercera parte. No fue un buen año para ellos, ésta vez la alineación de planetas se generó en pocas ocasiones.

Sin embargo, no decaemos. Cogemos el testigo y no vamos a desistir en su intento, por lo que los retos que no conseguimos cumplir en 2016 serán los que tratemos de realizar en 2017, más algunos otros, a ver qué os parecen. Seguir leyendo

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